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ABSTRACT

Federal agency programs in support of international education are summarized in this report. The publication is designed to help readers discover unknown programs, more fully understand more familiar programs, and learn more about specific requirements for agencies where proposals have been unsuccessfully submitted in the past. Focus is directed to ongoing programs that constitute a reliable core of support for international education activity. Programs that show promise for heightened activity are more thoroughly examined than those where potential is limited. Programs of the following agencies are included: Agency for International Development; Department of Agriculture; Department of Health, Education and Welfare; Department of State; Department of Transportation; Energy Research and Development Administration; Environmental Protection Agency; Japan/U.S. Friendship Commission; National Aeronautics and Space Administration; National Academy of Sciences; National Endowment for the Humanities; National Institutes of Health; National Science Foundation; Smithsonian Institution; and the U.S. Information Agency. Each agency summary is structured to provide information on functions, eligibility, deadlines, key contact persons, and other types of data. (SW)

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International Education:
A Compendium of Federal Agency Programs

U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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FOREWORD

With this publication, the International Education Project initiates the first of a series of summaries of federal agency programs in support of international education, research and exchange. In a real sense, this publication, International Education: A Compendium of Federal Agency Programs, is experimental and dynamic. It is experimental in that the format and content will be adjusted in the future, based on suggestions from readers. It is dynamic in that new agencies and programs will be added, updates provided, and corrections made to reflect altered project priorities and staffing changes in agencies over time.

Any document such as this one is out-of-date almost before the ink dries in the printing process. This is especially true given the advent of a new Administration and subsequent massive reorganization efforts now under way in a number of principal federal agencies.

So that the material would be brief and as readable as possible, this Compendium does not contain all the details and guidelines related to the activities described within its pages. Rather, this publication is intended to serve as a point of departure -- a necessary but mere first step in the complex process of securing federal support for international programming.

The Compendium's basic purpose is to bring into sharper focus the numerous opportunities which currently comprise a more complete range of federal support for international education activities. Surprising as it may seem, complaints are frequently voiced by agency officials that far too few high-quality proposals in the international education area are submitted to them, and that of the proposals submitted, many do not reflect the priorities, guidelines or missions of their agencies. Hopefully, this Compendium will enable its readers to discover some hitherto unknown programs, to more fully understand more familiar programs, and to learn more about specific requirements for agencies where proposals have been unsuccessfully submitted in the past.

Although the general coverage of programs in this publication is widespread, claims of comprehensiveness would be foolhardy. Virtually every federal agency is "international" to some extent in this highly interdependent age, whether or not agency spokesmen openly acknowledge the fact. Part of the confusion reflects the chronic difficulty of defining the term "international education" across the full range of federal agency endeavors. Furthermore, many international activities are only sporadic, or are buried deep within the essentially domestic missions of an agency. This Compendium does not address these ad hoc efforts, but concentrates instead upon ongoing programs of primary relevance to the international education community-- programs which have achieved, over time, a measure of permanence and thus constitute

a more reliable core of support for international education activity. Coverage of these programs in this Compendium varies little in format, but vastly in treatment. Programs which show real promise for heightened activity are more thoroughly examined than those where potential is limited.

To summarize, then, the information in this Compendium has been compiled in an attempt to familiarize the international education community with a variety of existing opportunities for program development. The document is designed to facilitate improved constituent access to a range of international education donors at the federal level, and to protect the sponsoring agencies from the submission of proposals at cross-purposes to principal missions and priorities as set by these agencies. Each agency summary is structured so that pertinent information is highlighted: functions; eligibility;deadlines; key contact persons; etc. While guidelines are not included in this publication, it cannot be stressed too strongly that specific guidelines are critical to the preparation of proposals, and should be requested directly from the offices listed in the agency summaries.

Despite the relative lack of categorical programs designed solely for the support of international education activities, few federal agencies, particularly those which are research-oriented, discourage the submission of proposals with an international dimension. The key determinant is whether or not the proposal reflects the agency's primary interests and respects the agency's own procedures. This requires careful research, preparation, and perseverance on the part of those international educators seeking federal support. While the process is often demanding, indeed arduous, the rewards are real and well worth the effort.

Many persons contributed to this effort. Without their energy, dedication and skill, this Compendium would not be a reality. Principal thanks are due Becky Owens, Assistant Director of the International Education Project who compiled and edited this complex publication over a period of several months -- and did not lose her sense of humor in the process. Maureen Torgerson of the Associated Colleges of the Midwest, and Agatha Aurbach of University Representatives, two exceptionally capable colleagues, added their own inputs and wisdom. The awesome task of collecting data and assimilating mounds of information was performed by our invaluable special assistant, David Levin, with the collaboration of Karen Korow, one of the Project's much-appreciated student interns. Typing credits go to Sharron Edmonds and Linda Einstein, courageous throughout this entire effort. The International Education Project is fortunate, indeed, to be able to draw upon such rich talent.

Rose L. Hayden
Director, International
Education Project

AGENCY FOR INTERNATIONAL DEVELOPMENT

AGENCY/AUTHORITY

The Agency for International Development (AID) has responsibility for carrying out nonmilitary foreign assistance programs and for continuous supervision and direction of all assistance programs under the Foreign Assistance Act of 1961, as amended.

OBJECTIVES

AID contracts for research, training and technical assistance projects through its headquarters and regional bureaus and missions. Universities are AID's largest group of contractors and are involved in conducting: 1) research activities; 2) training of foreign nationals; 3) provision of technical assistance to developing countries; and 4) provision of technical services to the Agency for International Development.

INTERNATIONAL DIMENSION

The exclusive focus of AID is nonmilitary foreign assistance. In recent years, AID's focus has been restricted not only to developing countries, but to the "poorest of the poor" among them. The method for delivering services to these nations has been chiefly via institution-to-institution relationships. However, as the development process has shifted toward an emphasis on specific problem areas, AID emphasis has likewise shifted toward efforts to provide access to a network of skills not necessarily concentrated at individual institutions. This concept is contained in a 1975 amendment to the Foreign Assistance Act of 1961, known as the Famine Prevention and Freedom from Hunger Act (Title XII). Since Title XII represents an altered rationale and philosophy for foreign assistance but does not provide dollar support for specific activities, it has spawned some confusion. A full discussion of Title XII is appended to this text.

In FY 1977 approximately $59 million was awarded in university contracts through AID/Washington for new contracts and amendments to existing contracts for activities listed in the previous section. Also included in this figure of $59 million is Section 211(d) activity. The $59 million, however, does not reflect AID mission contracts which do not go through Washington and contracts which are let through host country programs.

TYPES OF ASSISTANCE

While AID has not had any formally structured discrete categorical program of grants and contracts, its authority has given rise to two general areas of activity in which universities most frequently participate. These are commonly referred to as the Institutional Grants Program [Section 211(d)] and the Central Research Contract Program.

A) INSTITUTIONAL GRANTS PROGRAM [Section 211(d)]

This program has as its purpose the creation, adaptation and strengthening of the competence and expertise of selected U.S. educational and university-affiliated research institutions to deal with selected problems impeding economic and social development in the less developed countries (LDCs). Grants are based on the presumption that without 211(d) assistance such competency would not be developed in sufficient time or depth to serve LDC, AID or other donor needs. There must also be clear evidence provided by the grantee that those aspects of the grant which are directly relevant to the grantee's primary educational and research roles will become a permanent part of its curriculum and/or research capabilities, financed in future years by the recipient institution, and evidence that capabilities developed under the grant will be utilized in joint problem-solving and knowledge transfers with LDCs. 211(d) grants are awarded for a period of up to 5 years, with the full grant funding normally obligated at the outset. Grants may range from $200,000 to $1,500,000, averaging approximately $500,000.

RESTRICTIONS: 211(d) grants are not made under unsolicited proposals. AID takes the initiative and responsibility in identifying the priority problems and areas requiring this kind of strength and in selecting institutions offering the most promise in developing the additional capacities. Selection is done in consultation with appropriate professional and non-academic communities nationwide.

ELIGIBILITY REQUIREMENTS: Eligible institutions are those which AID determines to be appropriate.

DEADLINES: None

CONTACT: Office of Program Planning and Utilization (TA/PPU), Bureau for Technical Assistance, Agency for International Development, Washington, D.C. 20523, (202)632-1772.

B. CENTRAL RESEARCH CONTRACT PROGRAM

AID utilizes central research as a vehicle for introducing modern science into the LDCs by selecting specific scientific aspects of knowledge developed by and for the advanced countries, and systematically adapting them for relevance in the LDCs. Research projects are carried out under contract for developmental problems in areas such as agriculture, health, population and family planning, nutrition, urban and rural development, development administration, science and technology, education, economics, and other social sciences, in order to make foreign assistance programs of AID more effective. Grants range from $5,000 to $1,000,000, averaging about $200,000.

APPLICATION PROCEDURE: Initial inquiries concerning the research program should be covered in a brief letter, which indicates in general terms the institution's research capabilities in one or several sciences appropriate to AID's foreign development program, the plan of application to the problem, and the name of the principal investigator. After Agency review of the proposal, the applicant will be advised accordingly.

ELIGIBILITY REQUIREMENTS: Any university, research foundation or other qualified organization which has the capability to understand overseas development problems, and to seek solutions through applied research techniques in the stated scientific fields, is eligible to apply.

DEADLINES: None

CONTACT: Director, Interregional Research Staff (TA/RES), Bureau for Technical Assistance, Agency for International Development, Washington, D.C., 20523, (202)235-1720.

TITLE XII - FAMINE PREVENTION AND FREEDOM FROM HUNGER ACT OF 1975

For the past 25 years, AID has largely operated on the concept of institution-to-institution relationships, in university contracting for technical assistance overseas. Foreign countries have relied on the entire range of institutional resources made available by institutions with whom AID has contracted. These countries, however, have now reached a new plateau in their development where there is a greater need to focus more on specific problem areas. For this, they must have access to a network of skills which would not necessarily be concentrated at one institution. This new alignment of resources is embodied in one of the latest amendments to the Foreign Assistance Act of 1961--The Famine Prevention and Freedom from Hunger Act of 1975 (Title XII).

This Act was passed into law by Congress in 1975 with the intent of promoting an expanded role for U.S. agricultural colleges and universities in helping to solve the critical food and agricultural problems of the world. As seen by the above descriptions of existing AID programs, colleges and universities have been active in AID efforts for some time. They will continue to participate heavily in the Food and Nutrition areas under the language of the Title XII amendment.

Contrary to published articles, this legislation is not a money bill in that it provides for no dollar support for specific activities. However, it does represent a shift in philosophy and approach to the way the money is used in existing AID activities in the Food and Nutrition area. It recognizes that U.S. universities and colleges represent a massive resource which can be applied to the problems of the underdeveloped countries and provides for a more effective long-term integrated approach to utilizing these existing university resources. This new authorization will permit more systematic and long-term application of a university's scientific and technological expertise in the developing countries than was ever possible before. In addition, universities will be able to more fully integrate their overseas and domestic efforts.

The Title XII approach is only part of the overall expanded emphasis on the area of Food and Nutrition. AID requested $530 million be set aside for Food and Nutrition work in FY 1977 with a projected $118 million to be expended through university contracts and grants. Those funds set aside for university-based activities in Food and Nutrition will fall under the Title XII rubric.

The Act addresses five broad areas:

1. To strengthen the capabilities of U.S. universities in teaching, research and extension so they can become more fully involved in international food and agricultural development efforts.

2. To build and strengthen the institutional capacity and human resource skills of the agriculturally developing countries so that these countries may participate more fully in the international problem-solving effort and to introduce and adapt new solutions to local circumstances.

3. To provide program support for long-term collaborative university research on food production, distribution, storage, marketing and consumption.

4. To involve universities more fully in the international network of agricultural science, including the international research centers which have been established around the world, the activities of international organizations such as the United Nations Development Program and the Food and Agricultural Organization, and the institutions of the agriculturally developing nations.

5. To provide program support for international agricultural research centers, to provide support for research projects which solve specific problems and to develop and strengthen national research and extension systems in the developing countries.

The one new program which has developed out of this legislation has been entitled Collaborative Research Support Program. The mechanism for the program is still in the process of being designed, with guidelines far from the formulation stage.

A Presidentially appointed Board for International Food and Agricultural Development (BIFAD) composed of seven persons external to the Agency, at least four of whom must be from agriculturally involved colleges and universities, will assist AID in the planning and implementation of all international Food and Nutrition programs. It has a subordinate structure consisting of two joint committees and a staff. The Board will participate heavily in the development of policies and strategies for carrying out authority of this legislation. It will also work with the Agency in the identifying of priority problem areas and the development of a network of national resources which can be tapped to assist in the solution of these specific problems.

Assistance activities result primarily from official host countries' requests. If a university has contact with a foreign country that desires some kind of assistance, the host country government must first approve that as a priority and then AID will go through a government-to-government arrangement. Universities wanting to participate in AID programs or having specific project ideas are asked to contact: Mr. Curtis Barker, Special Assistant for University Relations, Agency for International Development, 1601 N. Kent Street, Room 509, Arlington, Virginia, (703) 235-9054.

DEPARTMENT OF AGRICULTURE

I. Agricultural Research Service

II. Economic Research Service

I. AGENCY/AUTHORITY

The Agricultural Research Service (ARS) of the Department of Agriculture is authorized principally by the Research and Marketing Act of 1946, as amended.

OBJECTIVES

The ARS exists to make agricultural research discoveries, to evaluate alternative ways of attaining goals, and to provide scientific technical information.

TYPES OF ASSISTANCE

A) Foreign Agriculture Research Grants Executed Under the Special Foreign Currency Program

Authorized under P.L. 480 Section 104b3, this program is designed for U.S. scientists wishing to study in cooperation with foreign agricultural institutions. $7.5 million was available for these activities in both FY 1976 and FY 1977.

RESTRICTIONS: Participation by non-ARS employees is extremely competitive, as the majority of cooperative scientists chosen in the past have been ARS scientists.

ELIGIBILITY REQUIREMENTS: Any U.S. scientist with technical competence in his or her area may apply. However, the majority chosen are ARS employees.

DEADLINE: Ongoing

CONTACT: Dr. Earnest P. Imle, Assistant Director of International Programs, ARS, U.S. Department of Agriculture, Room 469, Federal Building, Hyattsville, Maryland 20782 (301)436-8563.

B) Tropical and Sub-Tropical Research

This small program was authorized under the Food for Peace Program (Foreign Trade and Development Act--P.L. 89-808-1960) to provide the research support for those activities involving the underdeveloped countries outlined in the Act. Even though there is an authorization level of $33 million for this research activity the appropriation has been minimal. The first year of funding was FY 1974 with $500,000. In FY 1977 $630,000 was earmarked for the program.

ELIGIBILITY REQUIREMENTS: Less than 50% of this money is used by ARS researchers; the majority goes in the form of grants to outside institutions (universities) having the capabilities to carry out this line of research.

DEADLINE: Proposals may be submitted at any time.

CONTACT: Dr. Earnest P. Imle, Assistant Director of International Programs, ARS, U.S. Department of Agriculture, Room 469, Federal Building, Hyattsville, Maryland 20782 (301)436-8563.

II. AGENCY/AUTHORITY

The Economic Research Service (ERS) of the Department of Agriculture is authorized by 7 U.S.C. 1621-1627; and 7 U.S.C. 1761, Reorganization Plan No. 2, Memorandum No. 1447, February 1961.

OBJECTIVES: ERS seeks to conduct research and disseminate information on economic factors affecting commercial agriculture.

TYPES OF ASSISTANCE

A) Foreign Development Division

1. Academic Degree Training

This program is set up for foreign students to study in the U.S. International Training Office. Staff members arrange degree programs in agriculture and related areas utilizing the service of the 65 land-grant universities and non-land-grant universities with programs in agriculture. The ITO selects a university at its own discretion. It encourages proposal submission and welcomes interviews with university staff to inform ITO of a school's possible eligibility.

ELIGIBILITY REQUIREMENTS: Land-grant universities and colleges and non-land grant universities with an agriculture program.

CONTACT: Dr. Robert I. Ayling, Deputy Director of International Training Foreign Development Division, Economic Research Service, U.S. Department of Agriculture, Room 3529, South Building, Washington, D.C. 20250.

2. International Technical Assistance Program

Supported on a cost-reimbursable basis from AID, this Program provides technical assistance to foreign countries through the provision of USDA staff experts and outside contractors having the required expertise. Requests are generated by the various countries through the AID missions.

Over 300 USDA personnel are currently serving overseas on AID projects. In addition, this program has contracted for 30 USDA staff to work on a project with the OPEC nations, primarily Saudi Arabia. The costs for this project are picked up by Saudi Arabia.

ELIGIBILITY REQUIREMENTS: The program budget for FY 1977 was $16 million. This varies from year to year but will usually run over $10 million. $1.5 million of this goes to the support of outside contracts. Contracts are let with outside organizations (such as universities) and individuals having the needed expertise for a given project.

CONTACT: Organizations and individuals wishing to work with USDA in this general area are encouraged to contact Dr. William S. Hoofnagle, Deputy Director, Technical Assistant, Foreign Development Division, Economic Research Service, USDA, 500 12th Street, S.W. (202)447-5977.

B) Foreign Demand and Competition Division

This Division conducts research under the mission of expanding U.S. exports. The budget for this Division runs around $3 million.(FY 1977--$3.167 million.)

ELIGIBILITY REQUIREMENTS: Although the majority of its work is conducted in-house, ITO will contract a few small research agreements. In FY 1976, $200,000 was contracted out and $100,000 in FY 1977. These arrangements are entered into when the necessary expertise is not currently available in-house.

CONTACT: Mr. Carmen Nohre, Deputy Director, Foreign Demand and Competition Division, Economic Research Service, USDA, 500 12th Street, S.W. (202)447-9100.

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE:

I. National Institute of Education
II. Fund for the Improvement of Postsecondary Education

AGENCY/AUTHORITY

I. The National Institute of Education (NIE) is a Government agency under the auspices of the Department of Health, Education and Welfare. It is authorized by Section 405 of the General Education Provisions Act as amended by the Education Amendments Act of 1976, P.L. 94-480; 20 U.S.C. 1221e.

OBJECTIVES

NIE exists for the purpose of helping to solve or alleviate critical problems of U.S. education, to advance the practice of education as a profession, to strengthen the scientific and technological foundations of education, and to build an effective educational research and development system. Its policy-making body, the National Council for Educational Research, has identified six areas of priority: 1) basic skills; 2) educational equity; 3) education and work; 4) dissemination and resources; 5) finance and productivity; and 6) school capacity for problem solving.

INTERNATIONAL DIMENSION

An international dimension, on a limited scale, is integrated into some research endeavors within the priorities listed above. Examples include: under basic skills, NIE and the Center for Educational Research and Innovation (CERI) of the OECD are sponsoring a cross-cultural analysis of innovative trends in the in-service and continuing education of teachers in 6-9 OECD member countries, and is cooperating with Ireland in studying the effects of wide-scale standardized testing in public schools; under educational equity, NIE has sponsored research on educational opportunities denied to children of ethnic origin; and under finance and productivity, NIE and CERI are engaged in a joint project to examine how diverse school finance arrangements are used in a number of OECD countries to implement educational policy objectives.

TYPES OF ASSISTANCE

1. grant competitions
2. requests for proposals (RFPs)
3. unsolicited proposals

RESTRICTIONS: NIE support is limited to research and development projects in the field of education.

ELIGIBILITY REQUIREMENTS: Applicants include public and private, profit and non-profit agencies, organizations, institutions, and individuals; state and local educational agencies and international organizations or agencies.

DEADLINES: Announced by the Director. Unsolicited proposals may be submitted any time with formal consideration given 3 times a year--January 31, May 31 and September 30.

CONTACT: Charles E. Olsen, National Institute of Education, 1200 19th Street, N.W., Washington, D.C. 20036 (202) 254-5800.

AGENCY/AUTHORITY

II. The Fund for the Improvement of Postsecondary Education is under the general supervision of the Assistant Secretary for Education of the Department of Health, Education and Welfare. It is authorized by the Education Amendments of 1972, Title III, Section 404, P.L. 92-318; 86 Stat. 328.

OBJECTIVES

The Fund provides project grants for activities sponsored by institutions and agencies which develop and demonstrate more effective approaches to the provision of postsecondary education. Priority is given to activities which relate to: 1) learner-centered change; 2) increased cost-effectiveness; 3) increased diversity; and 4) needed structural change.

INTERNATIONAL DIMENSION

International education proposals are given relatively low priority, except as they relate to changes and improvements in postsecondary education as a whole. The Fund may consider, for example, proposals that deal with missions to explore new means of increasing student awareness of other nations and cultures as an integral part of a liberal, technical or professional curriculum.

TYPES OF ASSISTANCE

All grants and contracts are administered by the Fund through a Comprehensive Program competition. In recognition of the fact that reform, innovation and improvement of postsecondary education cannot necessarily be confined to rigid categories of support, the Fund structures its support under eight general areas targeted for improvement within its Comprehensive Program. These include: 1) extending effective educational opportunity to those still not adequately served by the system (which in recent years, has encompassed cultural awareness programs); 2) meeting individual needs in a mass system; 3) improving programs, personnel and instruction for more effective education; 4) creating and applying more meaningful criteria for the award of postsecondary credentials; 5) reducing costs and stretching the educational dollar; 6) making better use of educational resources beyond colleges and universities; 7) helping people make better choices about

whether, when, and where to enroll for education beyond high school; and 8) preserving institutional vitality in the face of growing rigidity and regulation.

RESTRICTIONS: The Fund does not award support to proposals for basic research.

ELIGIBILITY REQUIREMENTS: All postsecondary institutions and agencies and combinations thereof may submit proposals. Proposals may be submitted for new as well as existing institutions.

DEADLINES: As announced. Preliminary proposal deadlines usually occur around January.

CONTACT: Director, Fund for the Improvement of Postsecondary Education, Office of the Assistant Secretary for Education, 400 Maryland Avenue, S.W., Washington, D.C. 20202, (202) 245-8091.

DEPARTMENT OF STATE:

I. Mutual Educational and Cultural Exchange
II. Foreign Affairs Research

I. AGENCY/AUTHORITY

The Department of State's Bureau of Educational and Cultural Affairs (CU) receives its authority from PL 87-256, the Mutual Cultural and Educational Exchange Act of 1961 (Fulbright-Hays).

OBJECTIVES

CU has responsibility for administering programs of educational and cultural diplomacy. It seeks, through programs of leadership exchanges, to create a global network of people whose international and cross-cultural perceptions are informed and sensitive.

INTERNATIONAL DIMENSION

The focus of CU is on the mutualities in international educational, informational, and cultural relations. CU's exchanges of scholars and specialists aim "to assist in the development of friendly, sympathetic and peaceful relations between the United States and other countries of the world." Two autonomous and Presidentially-appointed bodies assist in the administration of the various exchange programs of the Department of State: 1) the Board of Foreign Scholarships, vested with overall authority for supervision of the planning, execution and selection of the Senior Fulbright Academic Exchanges; and 2) the U.S. Advisory Commission on International Educational and Cultural Affairs, which serves to guide the Executive in overall educational and cultural exchange matters. In 54 of the 104 countries where the Fulbright program operates, binational foundations or commissions supervise the national competitions for the awards, nominate foreign nationals, and review U.S. nominees for pre-doctoral and post-doctoral programs. In addition, three private American organizations receive partial funding from CU, for the purpose of administering specific parts of the Fulbright program: 1) the Council for the International Exchange of Scholars, for the administration of grants for university lecturing and advanced research; 2) the Institute of International Education, for predoctoral exchanges; and 3) the Division of International Education of the U.S. Office of Education, for programs authorized by section 102 (b) (6) of the Fulbright/Hays Act, pertaining to elementary and secondary teacher exchanges, summer seminars, foreign curriculum consultants, etc. (listed under USOE programs.)

TYPES OF ASSISTANCE

A) University Lecturing and Postdoctoral Research Abroad

This program provides grants which enable U.S. university professors to lecture or to conduct research abroad, normally for a period of one academic year, and which enable a like number of foreign professors to conduct research and lecture in the U.S. Lectureships permit grantees to lecture or to serve as visiting professors in institutions of higher education, while research grants provide opportunities for postdoctoral research at universities, colleges, and certain research centers and institutes. Awards generally include roundtrip transportation (for the grantee and, usually, one dependent), a maintenance allowance -- not

equated to grantee's salary -- payable in foreign currency where possible, and a small incidental allowance for travel books and services related to the assignment. Lectureships in East European countries usually carry a supplemental dollar allowance based on the number of dependents.

RESTRICTIONS: Scholars are encouraged -- but not required -- to obtain overseas affiliation prior to seeking support. In some countries the political feasibility of the project is predicated upon this affiliation.

ELIGIBILITY REQUIREMENTS: Requirements for Americans participating in the Fulbright program abroad include: 1) U.S. citizenship; 2) for lectureships -- college or university teaching experience at the level for which the application is made; and 3) for research -- a doctorate at the time of application or appropriate professional qualifications.

DEADLINES: Subject to change, with July 1 being the usual application deadline (June 1 for most southern hemisphere countries.)

B) Predoctoral Study and Research Abroad

There are each year approximately 315 grants to U.S. predoctoral students pursuing research or study abroad and approximately 2,000 grants each year to foreign nationals for research or study in the U.S. Grants are of two types, full grants or travel-only grants. Full grants provide the grantee with round-trip transportation, language or orientation courses (when necessary), tuition, books, health and accident insurance, and a maintenance allowance for a full academic year based on host country living costs. Travel-only grants do not provide for tuition, books or a maintenance allowance.

RESTRICTIONS: Applicants who are conducting graduate study and research in a foreign country during the academic year 1977-78 are ineligible to apply for a grant to that country for the academic year 1978-79.

ELIGIBILITY REQUIREMENTS: For U.S. students wishing to undertake study or research abroad, the criteria include: 1) U.S. citizenship; 2) language proficiency sufficient to carry out the proposed study; 3) completion of the majority of high school and undergraduate education at U.S. institutions; and 4) possession of a B.A. or equivalent degree prior to the beginning date of the grant. Candidates may not hold a doctoral degree at the time of application. Several exceptions to the academic requirements are made on an ad hoc basis and a ruling on specific cases may be obtained from the Institute of International Education.

DEADLINES: November 1 for full scholarships, and February 1 for travel-only grants beginning the following autumn. Currently enrolled students should obtain applications from the campus Fulbright Program advisor; at-large applicants may obtain applications from IIE.

CONTACT: Institute of International Education, 809 United Nations Plaza, New York, New York 10017, 212/883-8200.

C) Cultural Presentations Program

This program, funded at $1.15 million in FY 1977, offers financial and facilitative services to U.S. performing artists touring or planning to tour abroad. Limited funding rarely permits financial support for tours originating from the U.S., the principal exception to this rule being a bilateral U.S./U.S.S.R. three-year cost-sharing agreement between the two countries in exchanging specific performing artists. The program is most frequently used to extend more broadly the tours of performers who already have commercial or private support for transoceanic travel and major tour expenses. For example, when the Department learned that the Alvin Ailey Dance Theatre had commercial dates in Japan, Hong Kong and the Philippines for late June, 1977 and at Avignon, France in late July, a grant was provided to permit performances in the interim period in Taiwan, Thailand, India, Turkey, and Egypt.

APPLICATION PROCEDURE: Individual artists and groups who are planning tours abroad may send CU their itineraries, a tape or record of their planned program, their repertoire and publicity materials. An evaluation is then made and embassies overseas are notified to determine the interest in additional appearances.

RESTRICTIONS: Support is generally not awarded to artists for tours in areas where U.S. performers appear commercially on their own -- Western Europe, Canada, Japan and Israel.

ELIGIBILITY REQUIREMENTS: Individuals and groups of performing artists may apply.

DEADLINES: None

CONTACT: Cultural Presentations Program, Office of International Arts Affairs, Bureau of Educational and Cultural Affairs, U.S. Department of State, Washington, D.C., 20520, 202/632-2802.

D) American Specialists Program

This program arranges annually short-term visits abroad for a small number of American specialists who possess unique qualifications for exchanging knowledge and ideas in such fields of specialization as fine arts, education, science and technology, economics, history, political science, law, civil rights, literature, jouralism, labor, urban development, sports, and youth activities. These specialists conduct seminars, workshops and clinics, lecture

to academic and non-academic audiences, and appear on radio or television. Visits are usually for a one-month period, but visits of longer or shorter duration can be arranged. All grants cover the cost of transportation, educational materials, and a per diem living allowance. Limited compensation can be paid to persons who suffer an income loss. Under this program the costs for local travel and per diem can be paid to engage the services of outstanding American specialists who happen to be abroad, and who have free time for lecturing or workshop demonstrations.

RESTRICTIONS: Grants are made on the basis of requests from American Embassies overseas and are not to be initiated by the participant.

ELIGIBILITY REQUIREMENTS: Participation is by invitation from the Department of State.

DEADLINES: None

CONTACT: American Specialists Program, Office of Youth, Student, and Special Programs, Bureau of Educational and Cultural Affairs, U.S. Department of State, Washington, D. C. 20520, 202/632-1054.

II. AGENCY/AUTHORITY

The External Research Program is administered by the Office of External Research (XR) in the Department's Bureau of Intelligence and Research. It derives its authority from the Foreign Service Act of 1946, as amended.

OBJECTIVES

The External Research Program sponsors research which focuses on foreign policy problems broadly defined to encompass all regional and functional dimensions of international relations. Contracts rather than grants are the primary mode for awards under the program. Specifications for most projects are developed in-house prior to the circulation of requests for proposals (RFPs). Basic research comprises a minor part of the research program, and is employed to advance and order data, explanation, and methods in fields of knowledge which may illuminate future, but currently unspecified, policy choices. The majority of research activity consists of applied research of two specific types: 1) policy research, designed to identify and weigh policy options, and sometimes to make policy recommendations; and 2) policy-related research, designed to examine situations, forces, factors and trends selected for their implications for identifiable instances of future policy choice. In FY 1977 the $1,000,000 budget enabled about 100 different projects ranging in size from $500 to $100,000, and in duration from one week to 18 months. Each year, XR's contract research budget is augmented by a few hundreds of thousands of dollars through transfers of funds from other bureaus and departments for projects of joint interest.

In addition to administering the research program, XR performs an important service function in supporting the Department's leadership role vis-á-vis interdepartmental coordination of external research on foreign affairs. Surveys and inventories are compiled and published on government-wide grant and contract activity related to international affairs.

ELIGIBILITY REQUIREMENTS: Requests for Proposals are evolved from "work statements" developed in-house according to the needs and interests of the Department. Unsolicited proposals are also welcome, but are funded only if they meet the central criterion for the conduct of research bearing directly and usefully on the Department's critical policy choices.

DEADLINES: None

CONTACT: E. Raymond Platig, Director, Office of External Research, Office of External Research Bureau of Intelligence and Research, U.S. Department of State, Washington, D. C., 20520, 202/632-1342.

DEPARTMENT OF TRANSPORTATION:

I. Transportation Research Activities Overseas
II. Urban Mass Transit Administration

AGENCY/AUTHORITY

I. Transportation Research Activities Overseas is a special foreign currency program of the Department of Transportation (DOT) which operates under the jurisdiction of the Office of the Secretary. It is authorized by 49 U.S.C. 1653, and the Department of Transportation Act.

OBJECTIVES

The Transportation Research Activities Overseas Program offers grants to U.S. higher education institutions for research on transportation problems related to national transportation policy. Research must relate to the following DOT priorities: Economics and Regulation; Science and Technology; Operations and System Concepts; Social and Behavioral; Safety and Environment; and University Originated Research Topics.

RESTRICTIONS:

Research may be conducted only in those countries designated by the Treasury Department as special foreign currency countries (currently India, Pakistan, Tunisia, and possibly Burma and Guinea).

ELIGIBILITY REQUIREMENTS: Higher education institutions are eligible to apply.

DEADLINES: December 1.

CONTACT: William F. Brown, TST-60, Deputy Director, Program of University Research, Office of the Secretary, U.S. Department of Transportation, Washington, D.C. 20590, (202)426-0190.

AGENCY/AUTHORITY

II. The Urban Mass Transit Administration (UMYA) is authorized by the Urban Mass Transportation Act of 1964 as amended; 49 U.S.C. 1601 et. seq.

OBJECTIVES: UMTA administers a program entitled Urban Mass Transportation Grants for University Research and Training which supports research studies and investigations in the problems of transportation in urban areas.

INTERNATIONAL DIMENSION: Internationally-oriented proposals of a comparative nature may be considered only to the extent that they relate to the solution of U.S. transportation problems.

ELIGIBILITY REQUIREMENTS: Public and private non-profit institutions of higher education.

DEADLINES: Program announcements are published in Commerce Business Daily.

CONTACT: Director, Division of University Research and Training, Office of Policy and Program Development, UMTA, Department of Transportation, Washington, D.C. (202)426-0800.

ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

AGENCY/AUTHORITY

The Energy Research and Development Administration (ERDA) is authorized by a number of public law and statutory authorities, principal among them being the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974.

OBJECTIVES

ERDA's chief mission is the management and development of efficient energy sources. Only a small percentage of its massive budget is expended at colleges and universities for research and training related to energy. As a source of support for international education, research and exchange, ERDA is not a very viable resource. However, its Office of International Affairs may prove to be of interest.

TYPES OF ASSISTANCE

Office of International Affairs

This office is responsible for international energy policy definition and manages and directs activities for international cooperation in all energy and related environmental research and development. The Office has four divisions:

1) The Office of International Policy Planning

2) The Office of Research and Development Programs--Although there is no line item budget provided, this office does contract with universities on occasion. For example, a recent workshop arranged by a university under contract with ERDA dealt with government policy in international energy affairs.

   Another function of this Office is the coordination and support of representatives of the U.S. at international energy briefings. A foreign travel budget of $1.0 - $1.2 million supports technical experts from ERDA and other organizations who are attending meetings abroad. Technical experts from universities are eligible to receive these foreign travel funds.

3) The Office of International Program Implementation

4) The Office of Administrative Services

CONTACT: For additional information about the Office of International Affairs, contact Nelson F. Sievering, Jr., Assistant Administrator for International Affairs, ERDA, 20 Massachusetts Avenue, N.W., Washington, D.C., 20545 (202)376-4410.

ENVIRONMENTAL PROTECTION AGENCY

AGENCY/AUTHORITY

The Environmental Protection Agency (EPA) is an independent agency of the federal government established in 1970.

OBJECTIVES

The creation of EPA was an effort to consolidate in a single agency the major federal environmental control programs. The Agency's mission is to control and abate pollution in the basic areas of water, solid wastes, pesticides, noise and radiation. To this end, EPA utilizes both incentives to encourage clean-up efforts and law enforcement to curb pollution.

TYPES OF ASSISTANCE

EPA presently has a single program geared specifically to international environmental grant activities--its Special Foreign Currency Program. In addition, a limited opportunity exists for receiving internationally-related funding through EPA's general funding activities. Details follow:

A) Special Foreign Currency Program

The Special Foreign Currency Program provides research opportunities to foreign scientists and researchers, through their research institutions to conduct research activities related to the environment. Funds for the program (approximately $5 million dollars for the coming year) exist in foreign currencies resulting from the sale of U.S. agricultural commodities abroad under Public Law 480. Examples of recently funded programs include: a study of water quality of marine recreational waters by the University of Alexandria, Egypt; a study of hydrological, chemical, and physical processes affecting pollution in the Baltic Sea by the Institute for Meteorology and Water Management, Gdynia, Poland; and a study of neurological changes in cases of overt clinical lead poisoning, at the Institute for Medical Research and Occupational Health, Zagreb, Yugoslavia.

Roughly 10-15 new awards will be made during the next funding cycle, and approximately 55 on-going projects will be continued. Support is usually granted for a 3- to 5- year period.

RESTRICTIONS: Support is not available for use by U.S. institutions nor in countries other than those classified as Special Foreign Currency Countries (currently only Egypt, India and Pakistan.)

CONTACT: Foreign institutions should contact the appropriate local ministry dealing with the environment for additional information. The United States contact is:

Mr. Thomas LePine
Chief, Special Foreign Currency Program
U.S. Environmental Protection Agency
401 M Street, S.W. - Room 811 West Tower
Washington, D.C. 20460

B) General Opportunities

Internationally-related projects may occasionally be considered for support within other EPA offices.

Most EPA offices present only marginal funding opportunities for international proposals through a program of grants, fellowships and research on environmental issues conducted by the following offices:

1. Office of Air and Waste Management
2. Office of Water and Hazardous Materials
3. Office of Research and Development
4. Office of Planning and Management

RESTRICTIONS: Support is often heavily weighted in favor of state, local and regional governments; and many programs carry a mandatory cost-sharing component.

ELIGIBILITY REQUIREMENTS: Comparative or internationally-related proposals bearing upon improved U.S. environmental practices may be submitted.

CONTACT: Inquiries should be directed to the local regional EPA office.

JAPAN-UNITED STATES FRIENDSHIP COMMISSION

AGENCY/AUTHORITY

The Japan-U.S. Friendship Commission was established by the U.S. Congress in 1975 under Public Law 94-118, and functions as an independent agency of the U.S. Government for the promotion of scholarly, cultural, and artistic activities between Japan and the United States. The Commission was created from and administers a $30,000,000 government trust fund ($18 million in dollars and ¥12 million in Japanese yen) originating from a portion of the Japanese Government repayments for post-war American assistance to Japan, and for reversion to Japan of U.S. facilities built in Okinawa.

The Fund and the program are administered by a Commission of 18 Americans representing the fields of scholarship, mass media, and business, and the Congress and Executive agencies of the Federal Government active in support of educational, cultural, and international programs. Members of the Commission are appointed respectively by statute, by the Congress, and by the Secretary of State.

OBJECTIVES

The purpose of the program is defined in the Japan-United States Friendship Act as "aid to education and culture at the highest level in order to enhance reciprocal people-to-people understanding and to support the close friendship and mutuality of interests between the United States and Japan." Under this mandate, the Commission seeks to contribute to the development and strengthening of future generations of U.S. and Japanese area specialists, and to promote wider popular understanding of U.S. and Japanese cultural similarities and differences, through activities designed to reach a broader public audience. The Commission makes available some $2 million per year (the approximate annual interest accrued from the $30 million principal) in support of its programs.

TYPES OF ASSISTANCE

A) Japanese Studies

The Commission will consider a wide range of proposals for support of Japanese Studies programs in American education, but will not entertain applications from individuals directly. All grants will be made or entrusted to universities or other appropriate organizations, which will also be responsible for such individual selections as may be required. Proposals may be submitted in the following areas:

1. Post-graduate training of the next generation of American academic and professional specialists on Japan. Grants for graduate study in Japan are administered by an appropriate professional organization to which individual applicants will be referred.

2. Scholarly research and publication about Japan. All periods and academic fields may be considered, although projects in the natural sciences and technologies must demonstrate a clear contribution to cultural understanding.

3. Intensive Japanese language study programs, and programs to develop teaching and testing methods.

4. Major collections of Japanese books and publications in appropriate libraries located throughout the United States. In order to assist the development of nationwide services to scholars in Japanese language materials, preference will be given to libraries showing evidence of cooperation in regional or national specialization and able to provide easy access to materials for scholars in outlying institutions. Library acquisition of Western language materials about Japan will be considered only for highly specialized needs, and on an exceptional basis. Training opportunities for library staff also may be considered.

5. Professional School Programs. The Commission will give special consideration to proposals from professional graduate schools of business, law, journalism, architecture, education, and urban planning for the seeding of new programs on Japan. Preference will be given to institutions that are making good use of Japan specialists already attached to neighboring faculties, and have committed themselves to incorporating the study of Japan into the regular professional school program on a permanent basis.

6. Elementary, secondary, and teacher education programs, including but not limited to curriculum development related to Japan. Consideration will be given to selected proposals from institutions, school systems, and professional organizations concerned with these educational levels which have a high potential for achieving a multiplier effect on a national or regional basis.

B) American Studies

The Commission will consider proposals from Japanese universities or other appropriate organizations for support of teaching, research, seminars, publication, and library collections on American history and civilization, and on the economic, social and political institutions of the United States. Such studies may be conducted in either the United States or Japan. Proposals from Japanese institutions are evaluated by professional Japanese and American committees. Applications from individual Japanese scholars for research in the United States are reviewed by one or more universities, or by appropriate scholarly or professional organizations, on a schedule to be announced.

The Commission will not fund graduate study in United States universities during academic years 1977-78 and 1978-79. Japanese candidates for graduate study in the United States are referred to the United States Educational Commission in Japan, Second Floor, Sanno Grand Building, 2-14-2 Nagata-cho, Chiyoda-ku, Tokyo 100, Japan, which administers the Fulbright Program in Japan.

C) Arts

The Commission supports opportunities for American and Japanese individuals of creative talent and achievement in the visual, performing and literary arts to study and observe, or to perform in, the traditional and modern art forms of the partner country. Programs will be developed in cooperation with other American and Japanese public and private agencies.

The Commission will also consider:

1. Applications from educational and artistic organizations for support for training and apprenticeship programs in the arts for artists and students of the other country.

2. Performing arts tours which clearly lack a viable commercial base.

D) Cultural Communication and Public Affairs

The Commission will consider proposals from organizations promising a national or major regional impact for programs in:

1. Museums and fine arts education, including exhibitions (for both countries, in this instance) of art and artifacts of cultural or historical significance.

2. Educational Television.

3. Opportunities for Japanese participation in American intellectual activities including conferences and seminars, publications, translations from the Japanese, and joint research with American counterparts on common social, economic, and political problems.

4. Opportunities for American organizations in the fields of political, social, economic, educational, mass media and public affairs, to develop on-going exchange relationships with their Japanese counterparts.

RESTRICTIONS: Support is not available for: undergraduate and teenage exchanges or scholarships; teaching positions in the U.S.; single community projects; teaching of the English language; research, study, teaching, publication, and translations in the natural sciences and technology, except where they clearly add to cultural understanding; or building construction, design, or maintenance costs.

Matching financial support from appropriate U.S. or Japanese sources will enhance funding prospects.

ELIGIBILITY REQUIREMENTS: Programs are open to citizens and permanent residents of the United States or of Japan. Awards are made on the basis of academic or professional excellence, evaluated in relation to (a) national and cultural needs for certain professional fields, (b) existing gaps in understanding, and (c) availability or lack of other sources of support. Grants may be made to individual universities or local organizations in the U.S. and Japan, with careful consideration of their ability to contribute to national resources for the understanding of the other country. Grants to individuals, under all programs,

normally will be made through academic, professional, artistic, or other appropriate organizations which will examine, recommend, and in most instances select the individuals to be supported financially by the Commission.

DEADLINES: Grants will generally be awarded twice annually, in October and April. Specific proposals should be received by September 1 or March 1 as the case may require.

CONTACT: Inquiries should be directed to the Executive Director, Japan-United States Friendship Commission, 1875 Connecticut Avenue, N.W., Suite 709, Washington, D. C. 20009.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

AGENCY/AUTHORITY

The National Aeronautics and Space Administration (NASA) is a United States governmental agency concerned with activities in aeronautics and space devoted to peaceful purposes for the benefit of all. NASA was created by the National Aeronautics and Space Act of 1958.

OBJECTIVES

The Agency's principal statutory functions are to conduct research for the solution of problems of flight within and outside the earth's atmosphere, and develop, construct, test, and operate aeronautical and space vehicles; conduct activities required for the exploration of space with manned and unmanned vehicles; arrange for the most effective utilization of the scientific and engineering resources of the United States with other nations engaged in aeronautical and space activities for peaceful purposes; and to provide for the widest practicable and appropriate dissemination of information concerning NASA's activities and their results.

TYPES OF ASSISTANCE

The National Aeronautics and Space Administration at the present time has two programs of support to individuals wishing to conduct study and research on topics which are of interest and benefit to the Agency and the individual. Both of the following programs could enable limited support for international topics:

A) Research Associateships Program

Numerous post-doctoral research opportunities are available in NASA-related federal laboratories in the broad science fields including Chemical, Engineering, Mathematical, Physical, Biological, Medical, Behavioral, Atmospheric, Earth, and Space Science, as well as others. (PLEASE NOTE: Because this program, although under the purview of NASA is administered by the National Research Council of the National Academy of Sciences, it is described under the National Academy of Science heading rather than NASA.)

B) Grants and Contracts Research

In addition NASA anticipates 127 million dollars to be allocated in Fiscal Year 1977 for university research grants and contracts throughout the agency.

CONTACT: Interested people may send a letter to the following address, stating their interests and research subject so that they may then be directed to the appropriate bureau: National Aeronautics and Space Administration, Office of University Affairs, Code P, Washington, D.C. 20546.

NATIONAL ACADEMY OF SCIENCES

AGENCY/AUTHORITY

The National Academy of Sciences (NAS) is a private cooperative society of distinguished scientific research scholars. NAS received its charter in an Act of Incorporation passed by Congress and signed into law by Abraham Lincoln in 1863. The Charter calls upon NAS to serve as an official advisor to the federal government upon request on science and technology. In 1964, the National Academy of Engineering was established under the NAS charter as a parallel organization of distinguished engineers charged with the same service responsibilities to the federal government. The National Research Council, created under the charter by President Wilson in 1916, serves as the operating arm of the twin academies.

OBJECTIVES

Most activities undertaken by the NAS are carried out through the Commissions and Assemblies of the National Research Council, which draw upon a broad cross-section of the nation's leading scientists for advisory services to the Congress and the Executive agencies. Eight major units comprise the NAS Secretariat: the Assemblies of Behavioral and Social Sciences, Engineering, Life Sciences, and Mathematical and Physical Sciences, and the Commissions on Human Resources, International Relations, Natural Resources, and Sociotechnical Systems. Boards established under the Assemblies and Commissions are responsible for surveying the needs in their fields, for recommending and initiating programs, for conducting studies and conferences, and for responding to requests for advice and assistance. Selection of participants for the activities of the various Assemblies and Commissions is drawn in large part from the extensive membership within the academies. Participants are also derived from consultation with appropriate federal agencies, and from expressions of interest from academic specialists in relevant fields.

INTERNATIONAL DIMENSION

While there is clearly a transnational collaborative dimension which pervades the disciplines of science, the bulk of international activity carried out by NAS' National Research Council is conducted by its Commission on Internatinal Relations (CIR). CIR encompasses the following functions: 1) conducting the international affairs of the National Research Council with foreign and domestic individuals and institutions; 2) providing consultative services to federal agencies engaged in international scientific and technical relations; 3) providing policy advice, and suggesting desirable changes and new initiatives in other ongoing programs of the NRC; and 4) initiating programs and projects to facilitate the participation of the U.S. scientific community in transnational scientific endeavors, and

in technical assistance to developing countries. CIE activity is carried out by the following six boards or committees which comprise its operations. At present, only the first committee described below offers specific opportunities for participation in international activities. However, other programs listed below present possibilities for seminar participation, workshops, etc.

TYPES OF ASSISTANCE

A) Advisory Committee on the USSR and Eastern Europe (USSR/EE)

The USSR/EE oversees the exchange programs for the NAS with the academies of science of the USSR, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, and Yugoslavia with financial support from the National Science Foundation and approval from the Department of State. These programs enable U.S. scientists to visit and conduct research in institutes of academies and other research institutions in the USSR and Eastern Europe, and facilitate visits to the US by scientists of those countries. Visits are for one month, research may be from 3-12 months. Participants are compensated for the loss of base salary up to $1300 a month in the Soviet program or $1450 for East European programs. NAS provides airline transporation costs. The host academies provide housing, domestic transportation related to research, medical services and a living allowance.

ELIGIBILITY REQUIREMENTS: Eligible applicants are Americans with doctorates (or equivalent) in the natural, mathematical, fundanental medical (non-patient oriented), engineering or precise behavioral sciences, or those expecting degrees prior to the exchange.

CONTACT: Lawrence Mitchell, Staff Director, Advisory Committee on the USSR and Eastern Europe, National Academy of Sciences, 1201 Constitution Avenue, N.W., Washington, D.C. 20418, (202)389-6228.

B) Board on International Organizations and Programs (BIOP)

BIOP serves, inter alia, as the U.S. National Committee for the International Council of Scientific Unions (ICSU) to provide guidance for NAS participation in international organizations and programs through the national committees within the purview of ICSU. These committees are concerned with other non-governmental international institutions, and include: the Advisory Committee for the International Institute for Applied Systems Analysis; the Committee on International Scientific Information Programs; the Subcommittee on Science in UNESCO; and support of the NAS representative to the Pacific Science Association.

CONTACT: Edmund C. Rowan, Staff Director, Board on International Organizations and Programs, National Academy of Sciences, 2101 Constitution Avenue, N.W., Washington, D.C. 20418, (202)389-6531.

C) Board on Science and Technology for International Development (BOSTID)

BOSTID programs are characterized by the common theme of collaboration with counterpart organizations in developing countries in the search for ways to use science and technology in the process of social and economic development. Overseas programs have focused on development problems associated with agriculture, industrialization, and the use of natural resources. BOSTID studies have addressed such overreaching topics as "Resource Sensing from Space: Prospects for Developing Countries," and such specific problems as "Systems Analysis and Operations Research--A Tool for Policy and Program Planning in Developing Countries." The work of the study program has been enhanced by the activities of the Advisory Committee on Technology Innovation (ACTI), whose studies have included topics such as "Food Science in Developing Countries: A Selection of Unsolved Problems."

CONTACT: Victor Rabinowitch, Staff Director, Board on Science and Technology for International Development, National Academy of Sciences, 1201 Constitution Avenue, N.W., Washington, D.C. 20418 (202)389-6521.

D) Board on International Scientific Exchange (BISE)

BISE examines the current state of scientific and technical interaction between U.S. scientists and their foreign counterparts and recommends, where appropriate, new mechanisms and directions. Examples include the BISE Evaluation and Advisory Panel on US/Soviet Exchange Programs, and the BISE Panel on US/Yugoslav Joint Research.

CONTACT: Alan Campbell, Executive Secretary, Board on International Scientific Exchange, National Academy of Sciences, Washington, D.C. 20418, (202)389-6292.

E) Committee on Scholarly Communication with the People's Republic of China (CSCPRC)

CSCPRC is sponsored by the NAS, the Social Science Research Council, and the American Council of Learned Societies to foster exchange delegations between the U.S. and the P.R.C. in a wide range of disciplines. Since the Shanghai Communique was signed in 1972, Chinese and American specialists have participated in over 45 exchange visits--25 from China and 20 to China.

CONTACT: Anne Keatley, Staff Director, Committee on Scholarly Communication with the People's Republic of China, National Academy of Sciences, 1201 Constitution Avenue, N.W., Washington, D.C. 20418, (202)389-6683.

F) Ocean Policy Committee (OPC)

Sponsored by the National Oceanic and Atmospheric Administration, the National Science Foundation, the Office of Naval Research, the Department of State, the Environmental Protection Agency, and other federal agencies, OPC studies and reports on international marine policy, scientific research, issues related to the U.N. Law of the Sea Conference, etc.

CONTACT: Mary Hope Katsouros, Executive Secretary, Ocean Policy Committee, National Academy of Sciences, 1201 Constitution Avenue, N.W., Washington, D.C. 20418, (202) 389-6536.

NATIONAL ENDOWMENT FOR THE HUMANITIES

AGENCY/AUTHORITY

The National Endowment for the Humanities (NEH), along with its sister agency, the National Endowment for the Arts, is authorized by the National Foundation on the Arts and Humanities Act of 1965; P.L. 89-209 as amended; 20 U.S.C. 951 et seq.

OBJECTIVES

NEH exists to foster and to serve all areas and levels of humanistic study. The term "humanities" is broadly defined by Congress as including, "but not limited to, language, both modern and classical; linguistics, literature; history; jurisprudence; philosophy; archaeology; comparative religion; ethics; the history, criticism, theory, and practice of the arts; and the study and application of the humanities to the human environment with particular attention to the relevance of the humanities to the current conditions of national life." The concept of humanities — not the social sciences -- must be central to all grant proposals.

INTERNATIONAL DIMENSION

The Endowment increasingly has supported a wide variety of projects having an international dimension, although "western concerns" still receive the bulk of NEH support. It is important to note the following:

-- prospective international education grantees should consider how the field can be brought to bear on the study of the humanities, and vice versa;

-- NEH is interested in assisting the international studies field to strengthen its humanities component;

-- NEH is concerned with the development of international/non-Western studies and humanities in the smaller colleges;

-- NEH is concerned with the preparation of teachers and faculty in non-Western/humanistic studies.

Since internationally-oriented projects may receive consideration throughout the four divisions of NEH, program descriptions are listed below under the appropriate division. Complete addresses for contacts listed below would include: National Endowment for the Humanities, 806 15th Street, N.W., Washington, D. C. 20506.

NEH: DIVISION OF EDUCATION PROGRAMS

OBJECTIVES

The Division of Education Programs seeks to assist all levels and types of institutions to improve instruction in the humanities through support for innovative or traditional endeavors. Emphasis is given to the application of scholarship to teaching, and the successes of individual scholarship.

INTERNATIONAL DIMENSION

During FY 1977, seven percent of the Education Division's monies (c. $1.3 million) were spent in support of internationally-oriented proposals. Examples include: a Japanese humanities program; a program for infusing South Asian studies into an elementary and secondary curriculum; a program to develop a Portugese area studies course; and an effort to introduce a global perspective into a K-12 curriculum.

TYPES OF ASSISTANCE

A) Institutional Grants

Institutional grants are designed to support programs that will strengthen the humanities curriculum and thus effect institutional change. Such programs are pervasive and long-range, rather than specific and of limited duration.

1. Pilot grants

   These grants support: a) programs to test a new set of humanities courses; b) activities necessary to implement the testing of new humanities courses; c) workshops for faculty to engage in final planning of course content; d) released time for faculty to teach the new courses; and e) hiring of consultants to evaluate the new program.

2. Development grants

   These grants are different from pilot grants in that support is directed toward the entire refurbishing of a humanities curriculum as opposed to expansion of a particular program. Development grants will support: a) revision of curricula; b) reorganization of departments of instruction; and c) improvement of instructional methods.

3. Consultant grants

   These grants enable institutions in the early stages of planning new or revising existing humanities curricula to engage the services of consultants who are selected from a roster of former reviewers and project directors of the Education Division.

4. College Library Program

This is a joint program of NEH and the Council on Library Resources to support programs at accredited four-year colleges and universities to: a) encourage relationships between faculty members and librarians; b) promote relationships between library services and academic programs; and c) increase and improve the use of libraries by students.

APPLICATION PROCEDURE: Initial inquiry is requested at least 8 weeks before the deadline date. A full draft should be submitted at least 6 weeks before the deadline date, so that suggestions may be offered.

RESTRICTIONS: Some cost sharing is required. In the case of development grants, the institution should bear the greater part of the cost toward the final year of the grant.

ELIGIBILITY REQUIREMENTS: Except where specified, two-year and four-year colleges, universities and professional schools may apply.

DEADLINES: Pilot -- November 15 and April 15
Development -- January 2 and August 1
Consultant -- December 15, March 15, June 15 and September 15

CONTACT: Pilot, Development and Consultant: Institutional Grants, Division of Education Programs, (202) 724-0393.

Library: Terry Krieger, Program Officer, Cultural Institutions and College Library Programs, Division of Education Programs, (202) 724-0311.

B) Higher Education Projects

Higher Education Projects are designed to promote the development and testing of imaginative approaches to education in the humanities by supporting demonstration projects that can be completed within a specified period of time. Most projects are planned by small groups of faculty, last one or two years, and are concerned with the design of model courses or programs, the development of curriculum materials, and increased collaboration among educational and other cultural institutions. Among other proposals which currently generate special interest, are those designed to improve the teaching of foreign languages and literatures.

1. Humanities Institutes Program

This program supports the bringing together for purposes of discussion and curriculum planning, distinguished senior faculty and promising younger faculty as Fellows for a year at a National Humanities Institute. Two have been established -- Yale University, American Studies; University of Chicago, Technology and the Humanities. Each exists for four years.

2. Curriculum Materials Grants

These grants support: a) the development of exemplary humanities curriculum materials; b) testing; and c) dissemination.

3. General Projects in Higher Education

These grants are used for colleges and universities desirous of undertaking humanities activities but not meeting the criteria for the above programs.

APPLICATION PROCEDURE: Informal inquiry followed by the submission of a preliminary draft is urged.

RESTRICTIONS: Some cost sharing is generally required.

ELIGIBILITY REQUIREMENTS: Educational institutions and non-profit educational organizations.

DEADLINES: April 1 and November 1.

CONTACT: Cynthia Frey, Program Officer, Humanities Institutes, Division of Education Programs, (202) 724-0311.

C) Elementary and Secondary Education Projects

The purpose of this program is to enhance the teaching and learning of the humanities at the K-12 level. Most projects are planned and implemented by groups of schools and/or university faculty, last 1-3 years, and are concerned with the design of model courses or programs, the development of curricular materials with an emphasis on teacher training, and increased collaboration among schools, higher education institutions, and cultural institutions. Projects should include documented evidence of strong support by school authorities, and show promise for serving as models for other institutions.

APPLICATION PROCEDURE: Informal inquiry followed by submission of a preliminary proposal.

RESTRICTIONS: Some cost sharing is generally required.

ELIGIBILITY REQUIREMENTS: Schools, school systems, higher education institutions are eligible.

DEADLINES: April 1 and November 1.

CONTACT: William Russell, Program Officer, Elementary and Secondary Education Projects, Division of Education Programs, (202) 724-0373.

NEH: DIVISION OF RESEARCH GRANTS

OBJECTIVES

The purpose of NEH's Division Research Grants is to: a) strengthen American scholarship in the humanities, b) provide support for the discovery of new knowledge, and c) deepen present humanistic understanding. Projects are usually long-range and collaborative in scope.

INTERNATIONAL DIMENSION

During the past year approximately 38% of the Research Division's funds (c. $4.4 million) have been allocated to projects with an international dimension. Examples include: the hosting of the 27th Congress of Orientalists in the United States; and the excavation of five early Bronze Age towns in the southeast plain of the Dead Sea in Jordan.

TYPES OF ASSISTANCE

A) General Research Program

The General Research Program encourages the development of collaborative, interdisciplinary research projects focused upon the humanistic disciplines, and the strengthening of individual scholarship.

APPLICATION PROCEDURE: Preliminary inquiries should be made prior to formal application.

RESTRICTIONS: Cost sharing generally required.

ELIGIBILITY REQUIREMENTS: Individuals, non-profit organizations, and academic institutions. Foreign institutions are ineligible, as are foreign nationals unless affiliated with a U.S. institution or organization.

DEADLINES: June 1 and December 1.

CONTACT: Phillip Marcus, General Research Programs, Division of Research, (202) 724-0276.

B) Research Materials Program

This program is designed to fund, wholly or partially, projects which create resources for scholarly research in the humanities: e.g., dictionaries, bibliographics, guides, and catalogs.

APPLICATION PROCEDURE: Preliminary discussion should precede proposal.

RESTRICTIONS: Cost sharing is usually required.

ELIGIBILITY REQUIREMENTS: Same as General Research Program.

DEADLINES: Approximately every nine months.

CONTACT: Margaret Child, Research Collections, Division of Research, (202) 724-0341.

NEH: DIVISION OF PUBLIC PROGRAMS

The Division of Public Programs supports efforts to design and implement projects that will make the humanities available to the adult and non-student sectors through a variety of channels.

INTERNATIONAL DIMENSION

Approximately 2% of the Public Programs Division's (c. $.27 million) funded proposals last year had an international dimension. An example of this type of project is an exhibition of archaeological treasures from the museums of the U.S.S.R., 3000-1000 B.C.

TYPES OF ASSISTANCE

A) State-Based Program

This program serves as one of NEH's most prominent efforts to promote greater public access to the humanities through renewable program grants to humanities committees within each of the states for the purpose of regranting funds to local organizations, institutions and groups. Only one entity in each state may receive assistance as the State Humanities Committee for this program.

RESTRICTIONS: Total matching of grants is required.

ELIGIBILITY REQUIREMENTS: State committees may receive funds. Non-profit organizations, institutions and groups may apply directly to the State Committee.

DEADLINES: June 3, August 26, and November 21, and March 3.

CONTACT: Geoffrey Marshall, State-Based Programs, Division of Public Programs, (202) 724-0286.

B) Media Program

The Media Program seeks to encourage and support film, radio and television production that: 1) advances public understanding and use of the humanities; 2) is of the highest professional caliber both in terms of scholarship and technical production; and 3) is suitable for national or regional broadcast. Direct collaboration between humanities scholars and media professionals is required. Grants may be: 1) development grants to finance research and writing of a script; 2) pilot grants to finance production of a pilot film or program; 3) production grants to finance the full production of a project; or 4) planning grants to explore new media formats and ways in which humanists and media professionals may collaborate in the development of high-quality programs.

APPLICATION PROCEDURE: Intensive preapplication procedures are required. Contact Media Program office for details.

RESTRICTIONS: Significant cost sharing required.

ELIGIBILITY CONSIDERATIONS: Non-profit agencies, institutions, and groups are eligible.

DEADLINES: Same as State-Based Programs.

CONTACT: Steven Rabin, Media Program, Division of Public Programs (202) 724-0318.

C) Museums and Historical Organization Program

This program exists to assist museums and historical organizations to convey and interpret knowledge of the U.S. cultural legacy to the public through exhibitions and interpretive programs, such as symposia, lectures, seminars, etc.

APPLICATION PROCEDURE: Preliminary draft should precede proposal.

RESTRICTIONS: Significant cost sharing is required.

ELIGIBILITY REQUIREMENTS: Non-profit museums, historical organizations, and non-profit institutions capable of implementing public programs in the humanities.

DEADLINES: Same as State-Based Programs.

CONTACT: Nancy Englander, Museums and Historical Organizations Program, Division of Public Programs, (202) 724-0327.

NEH: DIVISION OF FELLOWSHIPS

The purpose of the NEH fellowship and stipend awards is to support individual humanists in their work as scholars, teachers and interpreters of the humanities. The funds provided are designed to provide released time for full-time study or research by individuals for periods of one year or less.

INTERNATIONAL DIMENSION

The Division has funded the research of numerous individuals whose proposals had an international dimension -- an estimated 35% of the Division's total allocation in FY 1977 alone (c. $4.8 million). Examples of such study include: the Jewish communities of Berlin and Warsaw, 1870-1939; social democracy in Venezuela and Costa Rica; Middle Eastern political systems; and intellectual change in China, 1895-1911.

TYPES OF ASSISTANCE

A) Fellowships for Independent Study and Research

These fellowships for continuous periods of either six or twelve months are for scholars, teachers, writers and other interpreters of the humanities who have made or can make significant contributions to humanistic knowledge. Stipends are made to replace income lost through leave-taking, and carry a maximum award of $10,000 for six months or $20,000 for twelve.

RESTRICTIONS: Fellowships are not awarded for development of teaching materials or planning curricula, nor for proposals which are sectarian in nature.

ELIGIBILITY REQUIREMENTS: Applicants must have completed their professional training before applying, but need not have an advanced degree to qualify. Applicants should be U.S. citizens, native residents of U.S. territories, or foreign nationals who have been resident in the U.S. for at least 3 years.

DEADLINES: June 1 for fellowships beginning after the start of the following calendar year.

CONTACT: David Coder, Program Officer, Fellowships for Independent Study and Research, Division of Fellowships, (202) 724-0333.

B) Fellowships in Residence for College Teachers

These fellowships are awarded to provide undergraduate and two-year college teachers who are concerned with increasing their knowledge of their fields, opportunities to work with distinguished scholars at universities designated by NEH. Under this program, a Fellow participates in a seminar directed by a senior scholar, and undertakes an additional program of self-study and/or research.

RESTRICTIONS: Same as for Fellowships for Independent Study and Research.

ELIGIBILITY REQUIREMENTS: Applicants must be teaching in a 2-year college or undergraduate institution. Other criteria are as stated for Fellowships for Independent Study and Research.

DEADLINES: November 7 for fellowships beginning the following year.

CONTACT: Karen Fuglie, Program Officer, Fellowships in Residence for College Teachers, Division of Fellowships, (202) 724-0333.

C) Summer Stipends

This program exists to free recipients from summer employment and to defray travel and other research expenses for scholars, teachers, writers and others to permit concentrated study and research on humanistic endeavors. Each Summer Stipend pays $2,500 for two months of consecutive study.

RESTRICTIONS: Same as for above.

ELIGIBILITY REQUIREMENTS: College, junior college and university teachers and other humanists who have completed their professional training and are not degree candidates. Applicants must be nominated by their institutions and each institution may nominate three candidates. Persons not employed by academic institutions may apply directly. All other criteria are as stated above.

DEADLINES: October 17 for the following summer.

CONTACT: Marjorie Berlincourt, Program Officer, Summer Seminars and Summer Stipends, Division of Fellowships, (202) 724-0376.

D) Summer Seminars for College Teachers

The Summer Seminars program provides an opportunity for teachers at undergraduate and two-year colleges to work in the humanities and several fields of the social sciences with distinguished scholars at institutions throughout the country with extensive library facilities. The stipend is $2,000 to teacher participants, plus a travel and housing allowance of $250, if needed. The average award per seminar is approximately $43,000. A list of seminars to be offered will be printed in advance, and may be obtained from the Program Officer.

RESTRICTIONS: Some cost sharing may be required.

ELIGIBILITY REQUIREMENTS: Prominent scholars at institutions with libraries suitable for advanced study may submit proposals to NEH to become seminar directors. Directors choose the teacher participants (teachers from undergraduate and 2-year institutions) from applicants to their institution. Twelve teachers are selected for each seminar.

DEADLINES: July 1 for seminar directors for seminars in the summer of the following year. For teacher participants, March 15 of the year in which the seminar occurs.

CONTACT: Same as for Summer Stipends.

E) Fellowships and Stipends for the Professions

The purpose of this program is to improve the quality of leadership in the non-academic professions by providing participants with an extended period of time to study the historical, social, cultural, and philosophical dimensions of their professional interests. Fellowships of $15,000 are available to journalists for one year of study at Stanford University and the University of Michigan. Stipends of $1,200-plus up to $300 for travel are available for one-month seminars to practitioners in professions such as law, medicine, school and public administration, and to businessmen, labor leaders and critics of the arts.

RESTRICTIONS: Whereas fellowships will be maintained, the stipends program may be deleted if funding is limited.

ELIGIBILITY REQUIREMENTS: Applicants should have considerable professional standing. Citizenship requirements as stated for other fellowship programs.

DEADLINES: Fellowships, April 1.

CONTACT: Julian McDonald, Program Officer, Fellowships for the Professions, Division of Fellowships, (202) 724-0376.

NEH: YOUTH GRANTS IN THE HUMANITIES

The Youth Grants in the Humanities Program supports humanities projects developed and conducted by more experienced professionals in NEH's other programs.

INTERNATIONAL DIMENSION

An estimated 2% of the FY 1977 funds of the Office of Policy and Analysis which administers the Youth Grant Program was allocated to internationally-oriented projects. A bilingual manuscript, color slide and cassette tape program on the Mexican photographer Manuel Alvarez Bravo is an example of such a project.

TYPES OF ASSISTANCE

The Youth Grant Program supports only project grants on specific topics, and does not provide scholarships, fellowships, loans or other types of student aid for general study at any educational level in the U.S. or abroad, nor work undertaken specifically for credit toward an academic degree. In addition, a category of Special Youth Projects exists for projects developed and directed by professionals in the humanities aimed at involving large numbers of junior high, high school and college-age students. While Youth Grant awards carry a maximum $10,000, most individual awards are under $2,500. Special Youth Project awards are allocated according to the size and needs of the group conducting the project.

RESTRICTIONS: Youth Grants may not be awarded to persons over the age of 30.

ELIGIBILITY REQUIREMENTS: Applicants need not be affiliated with an academic institution. Citizenship requirements apply as stated for applicants to the Fellowship Division.

DEADLINES: November 15 for consideration in May, April 15 for consideration in October.

CONTACT: Marion Blakely, Program Chief, Youth Programs, (202) 724-0396

NEH: CHALLENGE GRANTS

As part of the 1976 amendments to the National Foundation on the Arts and Humanities Act, the Congress authorized the Challenge Grant Program. Challenge Grants differ from other NEH grants in a significant way: while most NEH grants sponsor specific projects of defined scope, duration and result related to NEH priorities, Challenge Grants recognize the need for basic institutional operating expenses to permit the development of and long-range planning for sustained, high quality humanities programs. Unlike other NEH grants, Challenge Grants may be used for a broad variety of purposes which the recipient institution judges to be most critical to its long-term viability and financial health, e.g., general operating expenses; defraying of operating expenses; renovation of facilities; acquisition of equipment and materials; new or expanded programming and services; increased "out-reach" or community-oriented programs, etc.

RESTRICTIONS: A minimum of 3 non-Federal dollars is required for each Federal dollar. Any non-Federal source of funds is eligible to be matched by NEH -- state or local governments, foundations, corporations, labor unions, businesses, professional and civic organizations or individuals. The basic requirement is that matching funds must be from new sources or in addition to support normally provided by traditional sources. In general,

fulfillment of earlier pledges, or fixed annual contributions cannot be considered as "new" funds. Pledges made on the condition of attainment of an NEH Challenge Grant do constitute eligible matching funds. In order to broaden public support, applicants are strongly urged to seek matching funds from local sources and persons who use their services rather than a single, non-repeating source.

ELIGIBILITY REQUIREMENTS: Any non-profit organization focused solely upon the humanities may apply for general or specific institutions, e.g. academic institutions whose work extends beyond the humanities may apply for a Challenge Grant to cover the costs of specific humanities programs, or to cover the portion of institutional costs which can be identified with these programs.

DEADLINES: June 1 and December 1.

CONTACT: NEH Challenge Grants, Grants Office, MS-200.

NATIONAL INSTITUTES OF HEALTH:
John E. Fogarty Center for Advanced Study
in the Health Sciences

AGENCY/AUTHORITY

The National Institutes of Health derives its authority from sections not otherwise provided for in the Public Health Service Act.

OBJECTIVES

The National Institutes of Health is the primary source of Federal support for biomedical research. The Fogarty Center permits the exchange of international knowledge, expertise and shared brainpower on research in biomedical and health science disciplines.

TYPES OF ASSISTANCE

A) Fogarty Scholars-in-Residence

This program provides an opportunity for the assembly of outstanding authorities from the United States and abroad to direct their attention to the exploration of broad and important problems of science, with acquisition of new knowledge, and the study of the application and consequences of scientific advances upon modern society.

RESTRICTIONS: Eligibility is by invitation only.

ELIGIBILITY REQUIREMENTS: Scholars and invited participants are not limited solely to experience in the biomedical disciplines; they may also consider studying philosophic, social, economic, or legal issues related to health science. While in residence each scholar participates in one or more of the following types of activity: Individual Study, Group Interaction, or Research.

CONTACT: Chief, Scholars and Fellowships Program Branch, Fogarty International Center, National Institutes of Health, Building 31, Room 2B62, Bethesda, Maryland 20014 (202)496-4161.

B) International Research Fellowships

International Research Fellowships are awarded annually to promising young foreign scientists at the postdoctoral level to enable them to come to the United States to pursue biomedical research projects at the U.S. institutions. The program is designed to promote collaborative relationships between U.S. and foreign scientists in research topics of mutual interest and significance (150 awards were presented in FY 1977 with stipends ranging from $10,000 to $13,600 for a year based on the number of years experience on the postdoctoral level).

DEADLINE: December 1 of each year.

CONTACT: Dr. Mark S. Beaubien, Chief, International Fellowships Section, Scholars and Fellowships Branch, Fogarty International Center, National Institutes of Health, Building 31, 2B55, Bethesda, Maryland 20014 (202)496-1653

C) Senior International Fellowships

The Senior International Fellowships Program provides opportunities to outstanding faculty members at mid-career of U.S. schools of medicine, osteopathy, dentistry and public health to go abroad to study and share their expertise for six months to a year.

ELIGIBILITY REQUIREMENTS: U.S. citizen, full-time faculty member, five years of experience beyond doctorate, linguistic abilities, no older than 55.

DEADLINE: December 1 of each year.

CONTACT: Mark S. Beaubien, Chief, International Fellowships Section, Scholars and Fellowships Branch, Fogarty International Center, National Institutes of Health, Building 31, 2B55, Bethesda, Maryland, 20014 (202)496-1653.

D) Swedish and Swiss Fellows Exchange Program

Part of the international research exchange program administered by the Fogarty International Center is the group of fellowships offered to young American postdoctoral scientists by the Swedish Medical Research Council and the Swiss National Science Foundation. Each year these two countries sponsor five Fellowships each. The Fogarty International Center advertises this program annually, sends out application kits and reviews applications for the two sponsoring countries. The review procedure is the same as for the International Research Fellowships; the applications with their assigned priority scores are forwarded to Sweden or Switzerland for final selection of the fellows by the sponsor. Since 1964 the Swedish Government has sponsored 28 American Fellows; the Swiss have sponsored 9 since their program was established in 1973.

CONTACT: Dr. Mark S. Beaubien, Chief, International Fellowships Section, Scholars and Fellowships Branch, Fogarty International Center, National Institutes of Health, Building 31, 2B55, Bethesda, Maryland 20014 (202) 496-1653.

E) Gorgas Memorial Laboratory

U.S. award for the operation and maintenance of the Gorgas Memorial Laboratory. Priorities include investigation and control of a variety of infectious diseases of particular tropical significance.

RESTRICTIONS: Research contracted at Gorgas is by in-house scholars only.

CONTACT: Dr. Mark S. Beaubien, Chief, International Fellowships Section, Scholars and Fellowships Branch, Fogarty International Center, National Institutes of Health, Building 31, 2B55, Bethesda, Maryland 20014, (202) 496-1653.

F) World Health Organization Fellowships

Designed for the enhancement of the health of the American public, these fellowships provide for exposure to new techniques and knowledge in any aspect of health. Emphasis is on dissemination of this knowledge upon the Fellow's return. Twenty-six applicants were selected for the eight- to ten-week WHO Fellowships in FY 1977. The number of actual awards varies from 12 to 50 depending on the amount of funding made available by the WHO. The Fogarty International Center only coordinates and screens applications for the WHO. It does not contribute any monies.

RESTRICTIONS: There is no stipend connected with the award, only a small per diem and travel costs. Individuals who are not eligible include graduate and undergraduate students, federal employees, employees of profit-making organizations and those students, federal employees, and employees of profit-making organizations and those who are self-employed or unemployed. The current employer of an applicant must agree to allow the prospective Fellow to return to his/her position. No basic research or travel to international meetings is allowable.

CONTACT: Dr. Carl D. Olsen, Chief, International Education Section, Fogarty International Center, National Institutes of Health, Building 31, 2B55, Bethesda, Maryland 20014 (202)496-1443.

NATIONAL SCIENCE FOUNDATION

AGENCY/AUTHORITY

The National Science Foundation (NSF) is authorized by the National Science Foundation Act of 1950; P.L.-81-507; 42 U.S.C. I 861-1883; 64 Stat. 149.

OBJECTIVE

NSF supports basic and applied research, science and technology policy research, science education improvement activities, and other programs related to the promotion of U.S. science and security policies. Within the context of R & D funding for academic institutions, federal leadership in the International Science and Technology area falls to NSF.

INTERNATIONAL DIMENSION

In addition to those programs operated by the Division of International Programs, many of the NSF research programs have international implications, particularly in the social, biological and earth sciences. It is difficult to assess the extent of this commitment as it is integrated into the basic priorities and goals of the individual programs. However, some estimates indicate that approximately 20-30% of all NSF awards have an international dimension.

NSF: DIVISION OF INTERNATIONAL PROGRAMS (INT)

This Division coordinates the international activities of NSF and, in addition, has a myriad of activities falling under its jurisdiction. It not only directly administers fourteen NSF cooperative science and research programs but apportions approximately 40 percent of its annual budget to the National Academy of Sciences to support NAS Exchange Programs with the Soviet Union and Eastern Europe as well as several other NAS activities, such as IIASA. Some of INT's funds are also used to supplement research projects with an international aspect, e.g. provision of support for travel to and from the country where the research will be conducted.

In FY 1977, $8.7 million was appropriated for the Division. Of that, $5.3 million went into International Cooperative Science Programs including approximately $1.5 to $2.0 million for the NAS Exchange Programs. For FY 1978, $10.5 million has been requested with $1.2 million included in the request for a UN Science and Technology Conference to be held in 1979 or 1980, plus $6 million for Special Foreign Currency Programs.

In addition to working with programs listed below, the NSF has recently signed an agreement with the Republic of Korea. This program is not yet fully operational but the details are currently being worked out.

TYPES OF ASSISTANCE

A) International Travel Grants

International Travel Grants are awarded within each NSF program for scientists to go abroad: 1) to attend international science congresses, 2) to obtain or exchange information in basic research, science education, or international scientific programs, and 3) to cooperate in international scientific activities. Grants are usually awarded in the form of full-fare airline tickets or block grants to nonprofit organizations representing the interests of the U.S. scientific community at a given meeting.

Funds for all international travel are appropriated by Congress under a separate line item for International Programs for a total of $500,000. These funds are then rebudgeted within NSF to its various participating Divisions. Distribution varies each year with the size of the meeting within each field. Each Division establishes its own priorities for meetings and individuals applying to attend.

RESTRICTIONS: To assure representation of the U.S. in international science activities, the travel monies under the International Travel Grants of the Division of International Programs emphasize support for scientists involved in the international management of science rather than those involved in specific research and program development projects; travel must be made by U.S. flag carriers; and applications for travel to meetings should be submitted at least four months in advance.

CONTACT: Dr. Gordon L. Heibert, Program Manager, International Travel, General Programs Section, Division of International Programs, National Science Foundation, Room 1214, 1800 G Street, N.W., Washington, D. C. 20550; (202) 632-7864.

B) United States-Australia Cooperative Science Program

The National Science Foundation awards grants to support the participation of U.S. scientists in the United States-Australia Cooperative Science Program. Australian funds support Australian scientists participating in the program. Three types of projects are supported: 1) scientific seminars or workshops, 2) long- and short-term visiting scientists and 3) cooperative research projects.

ELIGIBILITY REQUIREMENTS: Those eligible to submit proposals are academic institutions, professional societies, other private and public scientific organizations, and individual scientists. Governmental scientific organizations may also participate but generally have to provide their own funding. An informal inquiry to the Foundation is recommended prior to the submission of a formal proposal. All projects must be approved by the Foundation and the Department of Science in Australia.

DEADLINES: Proposals for seminars between the 12-month period from July 1 through June 30 must be received by the preceding January 1. For long-term visits with starting dates between April 1 and September 1; for those between October 1 and March 31, the receipt date is the preceding February 1. Proposals for short-term visits and for cooperative research should be sumitted at least six months before the desired starting date.

CONTACT: Brochures describing the program and proposal guidelines are available from the Foundation. Interested persons may write the Australia Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

C) United States-Republic of China Cooperative Science Program

The National Science Foundation awards grants to support the participation of U.S. scientists in the United States-Republic of China Cooperative Science Program. Chinese funds support Chinese scientists participating in the program. Three types of projects are supported in the program: 1) cooperative research projects 2) visiting scientists and 3) scientific seminars or workshops.

ELIGIBILITY REQUIREMENTS: Those eligible to submit proposals are colleges and universities, non-profit research institutions, professional societies, and individual scientists. The program is aimed primarily at the academic scientist; however, others may be considered. All projects must be approved by the Foundation and the National Science Council in Taipei.

DEADLINES: Proposals may be submitted at any time; approximately six months are needed for consideration.

CONTACT: A brochure describing the program is available from the Foundation, together with guidelines for submitting proposals. Write to the U.S. - Republic of China Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

D) Cooperative Science Programs: Romania, Hungary, Czechoslovakia, Bulgaria

Within this regional program, cooperative activities may be conducted in any branch of science and technology, including basic and applied aspects of the natural sciences and mathematics, the engineering sciences, and the social sciences, including interdisciplinary and problem-oriented areas. The programs are conducted and coordinated between the National Science Foundation and comparable organizations in the cooperating countries.

Support is offered for three types of activities: 1) cooperative research-projects designed jointly by, and to be conducted collaboratively between, a principal investigator of the United States and a principal investigator of the cooperating foreign country. Proposals are submitted by an American institution to the National Science Foundation and by the institution of a foreign investigator to the coordinating agency in his country; 2) seminars on any scientific subject of mutual interest, held

in the United States or in the cooperating foreign country, and focusing on a single major topic. Proposals are submitted by the American co-organizer or his institution to the National Science Foundation and by the foreign co-organizer through his institution to the coordinating agency in his country; and 3) scientific visits - visits of short duration for the purpose of planning cooperative scientific activities or conferring about cooperative scientific activities; also, with Romania, visits of longer duration for purposes of research, study, or lecturing. The application of an American scientist to visit one or more of the cooperating countries is submitted by him to the National Science Foundation; the application of a foreign scientist to visit the United States is submitted by him or by his institution to the coordinating agency in his own country.

ELIGIBILITY REQUIREMENTS: American institutions eligible to participate in these programs include universities and colleges, professional societies, academies of sciences, and other nonprofit scientific organizations of the private or public sectors. Support is available for American scientists who are U.S. citizens or who have at least five years of professional employment beyond the doctorate in U.S. institutions and are currently affiliated with an eligible U.S. institution. American scientists employed by profit-making organizations are not eligible for support.

RESTRICTIONS: Cooperative activities enabled exclude work in the clinical medical sciences, business administration, and education.

CONTACT: The brochure "Cooperative Science Programs: Romania, Hungary, Czechoslovakia, Bulgaria: Cooperative Research, Joint Seminars, Scientific Visits" is available from the Foundation. Communications may be addressed to: East Europe Cooperative Science Programs, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

E) United States-France Cooperative Science

The National Science Foundation and the Centre National de la Recherche Scientifique (CNRS) jointly sponsor an exchange of scientists for postdoctoral study or research in the mathematical, physical, chemical, engineering, biological, and social sciences, including economics. The exchange of postdoctoral junior scientists is based on an annual competition. A small number of cooperative research proposals and applications for senior visiting scientist awards are also considered each by NSF and CNRS.

ELIGIBILITY REQUIREMENTS: Individuals eligible for the postdoctoral exchange program are citizens or nationals of the United States and France who have earned a doctoral degree or its equivalent not more than five years prior to the commencement of the exchange visit. Eligible institutions are, for American candidates, any appropriate non-profit French institution. Appropriate non-profit institutions are institutions of higher education; government research institutes, laboratories or centers; and privately sponsored

nonprofit institutes. The period of the exchange visit is between five and fifteen months. French candidates may obtain information and application materials from the CNRS. American candidates may obtain information and application materials from the address below.

CONTACT: Communications may be addressed to: United States-French Exchange of Scientists Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

F) United States-India Exchange of Scientists Program

NSF administers the participation of U.S. scientists and engineers in a program of short-term exchanges with India for the purpose of exchanging scientific information and planning future scientific cooperation. Possible subjects cover the mathematical, physical, medical, biological, engineering, and social sciences; the history and philosophy of science; and such interdisciplinary areas as geochemistry, meteorology, and oceanography. In India the program is administered by the Council of Scientific and Industrial Research (CSIR). These organizations are jointly responsible for approving each exchange visit. U.S. institutions that wish to invite specific Indian scientists for visits under the provisions of this program may suggest their names to NSF, in addition to encouraging them to make direct applications to CSIR.

RESTRICTIONS: The National Science Foundation pays only travel costs of U.S. scientists to and from India; within India, expenses are covered by the local hosts.

ELIGIBILITY REQUIREMENTS: Individual senior scientists and engineers are eligible to submit proposals. Requests are evaluated on the basis of the applicant's professional qualifications and the merit of the proposed activity in India.

DEADLINES: Proposals may be submitted at any time.

CONTACT: A brochure describing this program is available from the Foundation. Communications should be addressed to: United States-India Exchange of Scientists Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

G) United States-Israel Binational Science Foundation

The United States-Israel Binational Science Foundation (BSF) came into existence under an agreement between the two countries, signed on September 27, 1972. It established a program of cooperative scientific research and related activities conducted primarily in Israel, financed with Israeli currency, and involving scientists and institutions of the

United States and Israel. Activities must be of mutual interest to the United States and Israel and concerned with science and technology for peaceful purposes. Activities dealing with scientific and technological information are also considered. There are four kinds of projects: 1) joint research projects, in which interdependent activities of a single program are conducted by different laboratories and involve various sources of funding; 2) projects providing research facilities, materials, equipment, and/or services to cooperating scientists; 3) exchange of personnel; and 4) joint planning of research design and evaluation of results.

The BSF is operated with the interest from a fund contributed to equally by both countries. The U.S. contribution represents U.S.-owned Israeli currency, chiefly resulting from payments by the Government of Israel for surplus agricultural commodities sold under Public Law 83-480.

NSF plays only a liaison role with this activity as it is not an official NSF program. No NSF funds are allocated to it. The interests and activities of the scientific agencies of the U.S. Government in BSF are coordinated through the Department of State. U.S. institutions may submit proposals in either of the following two ways. Proposals may be directed to a scientific agency of the U.S. Government having a mission related to the subject of the proposal. The agency will forward the application to BSF with comments on the proposal's relevance to the agency's mission. Judgments on scientific merit rest with the BSF. [NSF encourages the submission of proposals of high quality which complement or otherwise relate to research supported under NSF programs. Such proposals may be addressed to: Division of International Programs, U.S.-Israel Binational Science Foundation, National Science Foundation, Washington, D. C. 20550, Phone: (202) 632-5796]. Proposals may also be sent directly to the U.S.-Israel Binational Science Foundation, P. O. Box 7677, Jerusalem, Israel. Proposals submitted directly to BSF will later be referred to the U.S. Government for comment.

RESTRICTIONS: Since this is a program of the United States-Israel Binational Science Foundation, and not the National Science Foundation, institutions and investigators should be aware that standard NSF proposal and award guidelines and procedures are not applicable.

DEADLINES: Although proposals may be submitted at any time, decisions on awards are made in February of each year. To allow sufficient time for evaluation, proposals should be submitted in time to reach BSF no later than July 1 of the preceding year.

CONTACT: Inquiries about the preparation of proposals of interest to the National Science Foundation may be addressed to NSF at the address shown above. Single copies of the BSF form "Application for Research Grant" may be obtained from the same address.

H) United States-Italy Cooperative Science Program

The National Science Foundation coordinates the participation of U.S. scientists and institutions in the United States-Italy Cooperative Science Program to promote cooperation between scientists of the two countries and to provide additional opportunities for them to exchange ideas, skills, and techniques; to attack problems of particular mutual interest; to work together in unique environments; and to utilize special facilities. The NSF's counterpart agent is the Consiglio Nationale delle Richerche.

Three types of projects are enabled: 1) cooperative research projects; 2) scientific visits in connection with active cooperative research; and 3) seminars and workshops.

ELIGIBILITY REQUIREMENTS: Principal financial support for the U.S. side of the program is provided by sources such as the research divisions of NSF and other government agencies or by nonprofit institutions and universities. In addition, limited INT program funds are available for the support of visiting scientists, the organization of binational seminars, and for developmental cooperative research grants. Proposals are submitted to the appropriate funding agency or institution in accordance with its normal procedures.

RESTRICTIONS: Projects can be supported in almost any scientific field except nuclear energy, which is covered under another cooperative agreement.

CONTACT: A brochure describing the United States-Italy Cooperative Science Program is available from the Foundation together with instructions and guidelines for submitting proposals. Communications should be addressed to: United States-Italy Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

I) United States-Japan Cooperative Science Program

Established in 1961, this program was the first of INT cooperative programs. The Japan Society for the Promotion of Science is NSF's principal counterpart. The program covers three areas: 1) cooperative research; 2) scientific seminars; and 3) visiting scientists. The Joint Committee on Scientific Cooperation continues to stress the need for more U.S. research scientists working for extended periods in Japanese laboratories.

ELIGIBILITY REQUIREMENTS: Persons from all disciplines of science and engineering may submit proposals. The program is aimed primarily at the established academic scientists; however, others may be considered. All projects must be approved by the Foundation and the Japan Society for the Promotion of Science.

DEADLINES: Proposals for cooperative research may be submitted at any time. Approximately six months are needed to consider a proposal. Proposals for seminars between October 1 and March 31 must be received by the preceding February 28; for seminars between April 1 and September 30, the receipt date is the preceding August 31. Proposals for visits to Japan beginning April 1 and September 30 must be received by the preceding August 31; for those beginning between October 1 and March 31, the deadline date is the preceding February 28.

CONTACT: Communications should be addressed to: United States-Japan Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

J) United States-Latin American Cooperative Science Programs

This program is designed to foster and support mutually beneficial scientific and technological cooperation between the United States and Latin American countries. The National Science Foundation coordinates the participation of U.S. scientists in these programs under Agreements of Scientific and Technical Cooperation with the appropriate counterpart agencies in the countries involved. Formal agreements for which the National Science Foundation is responsible have been signed with Argentina, Brazil, and Mexico. Other countries in Latin America and the Caribbean may also be considered.

Under these programs, research-oriented cooperative activities between scientists, engineers, scholars, and institutions of research and higher learning may be conducted and supported in any branch of science, unless specifically limited by mutual agreement between the coordinating agencies. Support is offered for three types of activities: 1) seminars or workshops; 2) cooperative research projects; and 3) scientific visits. Scientific visits are usually short-term, not exceeding four weeks, for the purpose of professional consultation and planning of cooperative activities.

ELIGIBILITY REQUIREMENTS: U.S. institutions eligible to participate in these programs include universities and colleges, professional societies, academies of sciences, and other nonprofit scientific organizations of the private or public sectors. Support is available only for U.S. scientists who are citizens of the United States or who have at least five years of professional employment beyond the doctorate in U.S. institutions and are currently affiliated with an eligible U.S. institution. U.S. scientists employed by profit-making organizations are not eligible for support.

DEADLINES: Proposals for cooperative research and seminars should be submitted either by October 15 or March 31. Proposals for scientific visits can be submitted at any time. Processing time for proposals averages six months.

CONTACT: Communications should be addressed to: United States-Latin American Cooperative Science Programs, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

K) United States-New Zealand Agreement for Scientific and Technological Cooperation

This program exists for the purposes of sharing information, skills, and techniques; collaborating on scientific projects; using special facilities; and exchanging scientific and technical personnel. The NSF is the agent for U.S. participation; the coordinator for New Zealand is currently the Vice Chancellor of the University of Auckland.

ELIGIBILITY REQUIREMENTS: U.S. institutions eligible to participate include academic institutions, government laboratories, professional societies, and other private or public scientific organizations. Participating scientists must have a doctorate or equivalent experience.

RESTRICTIONS: All scientific and technical areas are included within the purview of this program except for energy, which is administered by the Energy Research and Development Administration. Basic financial support for cooperative research projects must be provided by other sources. Supplemental funding, usually for travel and per diem, may be provided to participants.

DEADLINES: Proposals may be submitted at any time.

CONTACT: Inquiries may be sent to the U.S.-New Zealand Agreement for Scientific and Technological Cooperation, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

L) United States-U.S.S.R. Cooperative Science Program

Under a May 1972 agreement, this program considers proposals for cooperation in specific areas; develops and oversees the selected programs; and designates agencies, organizations, or enterprises to carry out program activities. The NSF supports planning and implementation in seven of the twelve scientific areas approved by the Joint Commission: application of computers to management, microbiology, chemical catalysis, scientific and technical information, electrometallurgy, special topics on physics, and science policy. The types of projects include: 1) exchange of scientists and specialists; 2) exchange of scientific and technical information and documentation; 3) development of joint study teams; 4) research projects; and 5) courses, conferences, and symposia.

ELIGIBILITY REQUIREMENTS: Participants must be members of U.S. universities, professional societies, or scientific organizations in either the private or public sector, and must have at least five years of postdoctoral work experience.

RESTRICTIONS: Because funds are limited and project activities must be formulated with Soviet counterparts, NSF can support only a small number of proposals.

DEADLINES: Ongoing.

CONTACT: Inquiries should be sent to the U.S.-U.S.S.R. Program Manager, U.S.-U.S.S.R. Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

M) Scientists and Engineers in Economic Development Program

The National Science Foundation, through a special program funded by the Agency for International Development (AID), will provide support for individual U.S. scientists and engineers to apply their experience to problems of development in 41 countries currently receiving assistance from AID.

The program's objectives are to enable U.S. scientists and engineers to share experiences with their counterparts in developing countries who formulate and conduct specific research and education programs contributing in a direct way to economic development in their countries; establish long-term collaborative relationships between U.S. and foreign institutions; and increase the capability of scientific and technical institutions in developing countries.

Types of projects included in this program are: 1) research/teaching grants; and 2) international travel grants. For the first type, an individual may apply through his institution for support to enable him to conduct research or teach for 5 to 12 months in an academic institution of a developing country. Grants may provide stipend plus air travel allowance for scientists and dependents. Local costs in the foreign country must be met by the host institution. An individual may apply for an International Travel Grant to engage in research or teaching in institutions of developing countries for a period less than five months. Grants will provide the cost of economy class air travel plus a small amount of incidental expenses. Per diem and local costs must be provided by the host institution.

ELIGIBILITY REQUIREMENTS: Applicants are limited to scientists and engineers from U.S. academic institutions with at least five years of postdoctoral or equivalent experience in teaching or research and who will return to their institutions on completion of the project. About 40 grants - a total of $400,000 will be awarded in the following fields: engineering, physical sciences, earth sciences, biological sciences, social sciences, and science education.

RESTRICTIONS: Evidence of the host institution's support for the proposed project must be shown.

DEADLINE: December 1, 1977 and June 1, 1978. Open for travel.

CONTACT: Communication should be addressed to: Dr. Gordon L. Heibert, Engineers in Economic Development Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550; (202) 632-7864.

N) Special Foreign Currency Program

The National Science Foundation makes awards to support scientific activities overseas which will incur costs payable in the local currencies of the host countries. Funds are available in countries which hold currencies derived from the sale of surplus U.S. agricultural commodities, and which the Treasury Department has determined to be in excess of the established requirements of the United States. As of April 1977, the designated countries included Burma, Egypt, Guinea, India, and Pakistan.

Three main classes of activity are included in this program: 1) cooperative research and science education projects; 2) travel to international meetings or conferences; and 3) scientific visits. Cooperative research may be a joint or complementary activity of U.S. and foreign scientists leading to publication; a project performed mainly or entirely on the initiative and under the direction of the foreign institution; or a project performed mainly by a U.S. institution. NSF considers applications from U.S. scientists for support of travel to participating countries to attend or lecture at international scientific meetings or to reach final agreement on a project proposal for NSF support.

RESTRICTIONS: Agreement on the objectives, content, and scope of a cooperative project should be reached by U.S. and foreign scientists before they submit proposals; project proposals to be funded in foreign currency must be approved by the government of the participating country; the scientific institution in that country which is co-sponsor of the project initiates the request for approval.

ELIGIBILITY REQUIREMENTS: Organizations eligible to submit project proposals are nonprofit higher education institutions, scientific institutes, scientific and technical societies, and similar organizations, chartered to conduct business in the United States or the participating country. Scientists affiliated with such organizations may apply for support for international travel or visiting scientist activities.

CONTACT: The Foundation brochure "NSF Special Foreign Currency Program, Support for Research, Science Education, and Related Activities, Information for U.S. Scientists" describes the classes of activity supported and provides other information. A companion publication, subtitled "Information for Scientists in Participating Countries," is also available. Inquiries should be forwarded to the Special Foreign Currency Program, Division of International Programs, National Science Foundation, Washington, D. C. 20550.

NSF: DIRECTORATE FOR SCIENCE FOUNDATION

In cooperation with the Department of State, NSF administers two programs for the North Atlantic Treaty Organization. The purpose of these programs is to promote closer collaboration among the scientists of the NATO nations and encourage study by the U.S. scientific community of new scientific techniques and developments in other NATO countries.

TYPES OF ASSISTANCE

A) NATO Postdoctoral Fellowships

These fellowships provide opportunities for scientists in NATO countries to conduct studies and research in the following areas: mathematics, physics, medicine, biology, engineering, and the social sciences, the history and/or philosophy of science, and in interdisciplinary fields comprised of overlapping areas among two or more sciences. Approximately 40 awards will be made for 1977-78.

ELIGIBILITY REQUIREMENTS: Candidates for NATO Fellowships are recent recipients of doctoral degrees. A stipend of $1,000 per month for 9-12 months with dependency allowances is provided. Travel allowance may not exceed $1,000, or $2,400 including dependents. A $300 allowance is provided to defray the costs of research, tuition fees and of related in-country travel.

DEADLINES: November 28.

CONTACT: Dr. M. Hall Taylor, Program Manager, NATO Postdoctoral Fellowships in Science Division of Science Manpower Improvement, NSF, 5225 Wisconsin Avenue, Washington, D. C. 20550; (202) 282-7154.

B) NATO Travel Grants Program

The NATO Travel Grants Program serves as another means of cooperating with and supporting the activities of the NATO Scientific Affairs Division, NATO Headquarters. The NATO Advanced Study Institutes are administered and financed by NATO Headquarters. Forty Institutes are held in Europe each summer with the purpose of bringing research scientists to meetings on very specific and highly critical topics.

ELIGIBILITY REQUIREMENTS: A budget of $80,000 is provided for roundtrip air fare expenses for 60-70 young research scientists to attend the meetings of the NATO Advanced Study Institutes. Applicants for the awards must be specifically nominated by the Directors of these Institutes and must be U.S. citizens or nationals, advanced graduates, or postdoctoral students.

DEADLINES: While the NSF publishes a list of the Institutes, its deadlines and program information in standard scientific journals, applications must be made directly to the Advanced Study Institute directors. Deadlines and stipends vary with each program. Directors of Institutes willing to participate in the NSF Travel Grants program will provide their nominees with the appropriate forms to apply to NSF.

CONTACT: Dr. Thomas Quarles, Director for Fellowships and Traineeships, Division of Scientific Personnel Improvement; 5225 Wisconsin Avenue, N.W., Washington, D. C. 20550; (202) 282-7154.

SMITHSONIAN INSTITUTION

AGENCY/AUTHORITY

The Smithsonian Institution is an independent establishment authorized by Acts of Congress approved July 1, 1836 and August 10, 1846; 20 U.S.C. 41 et seq. Although the Smithsonian receives annual Congressional appropriations, in the strictest sense it is not an agency of the federal government.

OBJECTIVES

The Smithsonian was created to carry out trust responsibilities under the terms of the will of James Smithson of England who bequeathed his property to the U.S. "to found at Washington...an establishment for the increase and diffusion of knowledge among men."

INTERNATIONAL DIMENSION

Recognizing that the sum total of all knowledge does not reside in the United States, there is a strong international component to the programs of the Smithsonian Institution.

TYPES OF ASSISTANCE

A) Woodrow Wilson International Center for Scholars

Established by act of Congress in 1968, the Center seeks to commemorate through its residential fellowship program of advanced research and communication, both the scholarship and public interest of Woodrow Wilson. Scholars from various countries work at the Center on self-initiated projects ranging from four months to two years. There are five basic categories for guest scholar and fellowship recipients: 1) historical and cultural studies, broadly conceived; 2) social and political studies, broadly conceived; 3) resources, environment and interdependence studies; 4) Kennan Institute for Advanced Russian Studies; and 5) studies related to the political, economic and cultural life of Latin America and the Caribbean, and to analysis of Inter-American Affairs.

RESTRICTIONS: Each Fellow will initially be asked to seek financial support from his/her institution or other sources, but funding will be available based on the Fellow's previous year's salary and on the principle that the Fellowship should not result in financial loss or gain.

ELIGIBILITY REQUIREMENTS: Up to 40 scholars--approximately half from the U.S. and half from other countries--will be selected to work at the Center. They will be chosen--in approximately equal measure--from academic and non-academic professions, with competition favoring established scholars at the post-doctoral level, and notably accomplished non-academics.

DEADLINES: October 1, for consideration the following February.

CONTACT: For programs 1, 2, 3, and 5, Woodrow Wilson International Center for Scholars, Room 321, Smithsonian Institution Building, Washington, D.C. 20560 (202)381-6247. For program 4, Kennan Institute for Advanced Russian Studies, Room 320, Smithsonian Institution Building, Washington, D.C. 20560 (202)381-5461.

B) Academic Appointments (Higher Education Research and Training Programs)

The purpose of this program is to make available to qualified investigators at all educational levels, the facilities, collections, and professional staff of the Smithsonian. Annual appointments are offered in the disciplines of History of Science and Technology, American and Cultural History, History of Art, Anthropology, Evolutionary and Systematic Biology, Environmental Sciences, Tropical Biology, and Earth Sciences to predoctoral, postdoctoral and graduate students who indicate clearly why the Smithsonian is the best place to conduct the proposed research.

RESTRICTIONS: Citizenship is unrestricted.

ELIGIBILITY REQUIREMENTS: 1) postdoctoral scholars within 5 years of their Ph.D. are eligible to receive $10,000 per year as Smithsonian Fellows; 2) doctoral candidates with the approval of their institutions may conduct research for their dissertations and may receive $5,000 per year as Predoctoral Fellows; 3) graduate students may receive $500 per week as summer research participants; and 4) short-term visitors and lecturers may receive small awards of $50 upwards.

DEADLINES: Pre-and postdoctoral awards, January 15; graduate awards, March 1.

CONTACT: Edward Davidson, Office of Academic Studies, Smithsonian Institution, Washington, D.C. 20560 (202)381-5071.

C) International Exchange of Scientific and Literary Publications and Governmental Documents

This service exists as a means of distributing publications to other countries on an exchange basis or as gifts. For example, in FY 1976, publications weighing over 700,000 pounds were received from organizations in the U.S., and over 100,000 pounds of publications were received from foreign exchange bureaus for addresses in the U.S.

RESTRICTIONS: Transportation charges to the Smithsonian must be prepaid but there is no charge to the sender for the cost of transportation from the Smithsonian to the intended destination.

ELIGIBILITY REQUIREMENTS: Eligible for this service are educational institutions, scientific and other professional societies, museums, libraries, Government agencies, and individuals.

DEADLINES: None

CONTACT: John E. Estes, Director, International Exchange Service, Smithsonian Institution, 1111 North Capitol Street, N.E., Washington, D.C. 20002 (202)381-5311.

D) Smithsonian Special Foreign Currency Grants for Scientific and Cultural Research and Related Educational Activities

This program supports grants for basic research to U.S. institutions of higher education in countries where the U.S. Treasury has determined that the U.S. holds currencies in excess of its needs as a result of commodity sales under PL-480. Grants are awarded in the areas of: archaeology and related disciplines; systematic and environmental biology; astro-physics and earth sciences; and museum programs. Projects may be binational in cooperation with the host country. Funds may be used for all legitimate costs of research, including international travel, domestic travel within the research country, salaries of project personnel, food, lodging, temporary field shelters, scientific instruments or equipment, and the training of graduate students. Grants range from $2,000 for individual travel or less to to $100,000.

RESTRICTIONS: No grant may be made without evidence of the acceptability of the project to the host country. Since grants are made in "excess currencies and thus do not pass through the grantee institution's fiscal apparatus, a research participant--normally the principal investigator--must act as the institution's Designated Representative" for receipt of funds.

ELIGIBILITY REQUIREMENTS: All U.S. institutions of higher education are eligible.

CONTACT: Kennedy B. Schmertz, Program Director, Smithsonian Foreign Currency Program, Office of International Programs, Smithsonian Institution, Washington, D.C. 20560 (202)381-5881.

UNITED STATES INFORMATION AGENCY

AGENCY/AUTHORITY

The United States Information Agency (USIA) is authorized by Reorganization Plan No. 8 of 1953, the Mutual Educational and Cultural Exchange Act, and the United States Information and Educational Exchange Act.

OBJECTIVES

The USIA seeks, principally by means of communications techniques, to influence public attitudes abroad to facilitate the attainment of U.S. foreign policy objectives. In addition, the Agency also advises U.S. policy-makers with respect to the probable impact of various policies and programs on foreign opinion of the U.S.

TYPES OF ASSISTANCE

Overseas Speakers Program

Through its Overseas Speakers Program, USIA arranges programs which enable persons from the U.S. to lecture at foreign universities, workshops, meetings, etc. No specific priorities exist for the range of topics which the lecture may address. Preference is determined by general demand abroad in specific fields of interest.

RESTRICTIONS: USIA does not pay round-trip travel to and from the country.

ELIGIBILITY REQUIREMENTS: U.S. faculty members who plan to travel abroad on sabbatical leave or other assignments are eligible to apply. Although round trip travel is not provided, USIA will pay a $50/day honorarium for the length of involvement in the USIA program. USIA will also pay the cost of travel to other countries which request a speaker if these countries are not already on the speaker's itinerary.

DEADLINE: Interested persons should submit an application to USIA as far in advance of travel as possible. USIA requires 2 months to complete arrangements.

CONTACT: Overseas Speakers Division, U.S. Information Agency, 1776 Pennsylvania Avenue, N.W., Washington, D.C. 20547.

U.S. OFFICE OF EDUCATION: DIVISION OF INTERNATIONAL EDUCATION

AGENCY/AUTHORITY

Authorization for the programs administered by USOE's Division of International Education (DIE) stems from a variety of legislation. The majority of DIE's programs are authorized by Title VI (Foreign Studies and Language Development) of the National Defense Education Act, as amended. Certain other DIE programs are authorized by section 102 (b) (6) of the Mutual Educational and Cultural Exchange Act (P.L. 87-256) of 1961 (Fulbright-Hays Act) augmented by excess foreign currency funds authorized by the Agricultural Trade Development and Assistance Act of 1954 (P.L. 83-480). Finally, the Division also administers teacher exchange activities through authority transferred from the State Department, and a program of ethnic studies authorized by Title IX of the Elementary and Secondary Education Act of 1965, (P.L. 92-318) as amended.

OBJECTIVES

DIE plans and administers a variety of training, institutional development, exchange and research programs and services to expand and improve the international and intercultural dimensions of U.S. education. While each program has a specific focus, the emphasis in the majority of DIE programs is on foreign language and area studies, and the non-Western world.

INTERNATIONAL DIMENSIONS

Although claimants of DIE support are domestic institutions and individuals, the Division's focus is on international education and ethnic studies. A sampling of DIE activity shows that in FY 1977, 80 Language and Area and International Studies Centers, approximately 25 Undergraduate Programs and 13 Graduate Programs were funded. For 1976-77, 122 U.S. teachers exchanged teaching positions with 122 teachers from 5 foreign countries; 6 U.S. teachers went abroad to teach in 4 countries; 10 foreign teachers came to the U.S. on one-way teaching assignments; and grants were awarded to 155 American teachers and supervisors for participation in seven summer seminars. In FY 1977 approximately 60 awards were made for faculty research abroad. In 1976-77, seventeen consultants were brought to the U.S. for the purpose of developing non-western studies components in secondary education or in the undergraduate college curriculum. In 1976-77, 800 fellowships were awarded to graduate students in foreign language and area studies.

Specific criteria for all programs listed below are available from the appropriate office and contact person. Complete addresses for contact persons listed below would include: Division of International Education, U.S. Office of Education, ROB #3, 7th & D Streets, S.W., Washington, D. C. 20202.

TYPES OF ASSISTANCE

A) Foreign Language and Area Centers

This program supports partial costs for the establishment and operation of centers to promote instruction in modern foreign languages and area and international studies critical to national needs. Two types of centers receive consideration: 1) one which provides instruction during the academic year at both the graduate and undergraduate levels (unless undergraduate instruction is not offered at the institution) in modern foreign languages and area studies or in international studies with other than a modern foreign language and area focus; and 2) one which offers instruction solely at the undergraduate level, and which provides training for students planning to pursue their study at the graduate or professional level and also prepares students for direct entry into a profession in which specialized training in international studies plays a significant role. Centers offering language and area instruction must concentrate on one world region and must offer instruction in two or more of that region's principal languages, and other fields related to a fuller understanding of that region. International studies centers may combine a variety of approaches (international relations, comparative studies, interregional studies), but should include multidisciplinary instruction and foreign language training. In addition to specialized training, centers conduct "outreach" activities to other higher education institutions, state and local K-12 agencies and schools, the business community, and to other agencies, organizations and individuals outside the university interested in the resources of the center. Approximately 80 centers are supported ranging from $35,000 to $178,000 per year.

APPLICATION PROCEDURE: When funds are available for the support of new centers or programs, a national competition is announced in the Federal Register. Awards are made on the basis of excellence in accordance with strict and specific criteria.

RESTRICTIONS: Proposals generally receive continuous funding for a three-year period. Consequently, no new proposals will be funded and tenured until academic year 1979-1980.

ELIGIBILITY REQUIREMENTS: Eligible institutions are accredited U.S. colleges and universities and consortia or a single member institution of a consortium with evidence of existing resources and institutional commitment to language and area and international studies.

DEADLINES: The deadline for submission of proposals is announced in the Federal Register.

CONTACT: Ms. Maria Eleana Diago (centers dealing with Africa and Latin America, Ms. Shelley Laverty (centers dealing with East Asia and Southeast Asia) or Dr. Ann I. Schneider (centers dealing with the Middle East, U.S.S.R. and Eastern Europe, Western Europe, Canada, Pacific Islands, Inner Asia, and International Studies), Foreign Language and Area Centers, International Studies Branch, 202/245-9588.

B) Undergraduate International Studies Program

Support is awarded to higher education institutions for programs which focus on developing international components in course offerings and on new methods of teaching international studies at the undergraduate level. Each program must be comparative and interdisciplinary in nature; must carry out its programs principally on the U.S. campus(es) of the institution(s) involved; must take place throughout the summer and academic year; and must provide instruction in more than one of the following world regions: Africa, Southeast Asia, Canada, East Asia, the Soviet Union and Eastern Europe, Latin America, the Middle East, South Asia, and Western Europe. The grantee may use program funds to revise and update curricula, develop additional faculty expertise, or accelerate plans to improve existing resources for international studies. New or revised curricula must be available to students within the first year of the grant period. Approximately 10-15 new awards are made each year, with funding not to exceed $45,000 per year for a single institution or $70,000 for a consortium program.

RESTRICTIONS: Funds are not awarded for programs conducted exclusively in the summer. While allowable costs may include faculty salaries, library acquisitions, limited staff travel, teaching materials, etc., only limited funds may be used for dissemination and outreach, and no funds may be used for financial assistance to students.

ELIGIBILITY REQUIREMENTS: Accredited higher education institutions and consortia or member institutions within a consortium are eligible to apply.

DEADLINES: Competition is held annually -- usually in the late Fall -- subject to the availability of funds. Deadlines are printed in the Federal Register. Programs conducted by a single institution may receive 2 years of support; consortia programs may receive support for up to 3 years.

CONTACT: Mrs. Suzanna Easton, Undergraduate International Studies Program, International Studies Branch, 202/245-9588.

C) Graduate International Studies Program

Support is awarded to assist higher education institutions in developing problem-or topic-oriented international studies programs at the graduate level and in developing new methods of teaching. The topics must be contemporary and international in nature, and interdisciplinary or comparative in approach. Program activities must be carried out principally on the U.S. campus(es) of the institution(s) and must take place throughout the summer and academic year. In 1978-79, 5-10 grants will be awarded. Grant amounts and duration for institutions and consortia are as stated for the preceding program.

RESTRICTIONS: Program funds may not be used for student stipends, program research, or dissemination activities.

ELIGIBILITY REQUIREMENTS: All accredited higher education institutions, consorti or individual members of a consortium are eligible to apply.

DEADLINES: The deadline for receipt of applications is usually late Fall/Winter. (It is anticipated that the forthcoming deadline will be no earlier than November 15, 1977).

CONTACT: Dr. Ann I. Schneider, Graduate International Studies Program, International Studies Branch, 202/245-9588.

D) Foreign Language and Area Studies Fellowship Program

The Foreign Language and Area Studies Fellowship Program (formerly the National Defense Foreign Language Fellowships-NDFL) offers academic-year awards for graduate students in foreign language and area studies. The grants are made to selected U.S. higher education institutions, and it is directly to these institutions that individuals should apply. Approved institutional programs may be interdisciplinary or multidisciplinary, including such fields as anthropology, economics, geography, history, linguistics, literature, philosophy, political science, sociology, or other professional studies, and must include study of the language(s) of the geographic area of specialization.

ELIGIBILITY REQUIREMENTS: Higher education institutions operating comprehensive language and area centers or programs at the graduate level are eligible to apply for fellowship quotas. Students must apply directly to the institutions for fellowship support, but may contact DIE for a list of institutions having fellowship quotas.

DEADLINES: The application deadline for institutions applying for fellowship quotas is generally late Fall.

CONTACT: Ms. Marion Kane, Foreign Language and Area Studies Fellowship Program, International Studies Branch, 202/245-2455.

E) Foreign Language and Area Studies Research Program

The Title VI Research Program supports studies and surveys to determine the need for increased or improved instruction in modern foreign languages and related fields, research on training methods for use in such languages and fields, and development of specialized materials for training students and teachers. Grants and contracts awarded for studies, surveys and conferences may include such projects as an assessment of the state of the art of language and international studies, analysis of national trends, etc; research in teaching methodology emphasizes application of linguistic theories and pedagogy to language acquisition and improved language and international studies teaching; and materials development focuses upon the preparation of specialized instructional materials for languages, particularly those less widely taught in the U.S. and materials to enhance the teaching of international studies.

During FY 1977, 24 grants and contracts were awarded for new projects and 11 on-going projects were supplemented at a cost of approximately $900,000.

ELIGIBILITY REQUIREMENTS: Applicants may include higher education institutions, qualified individual researchers, state educational agencies, public school systems, and other educational and professional organizations.

DEADLINES: As published annually in the Federal Register.

CONTACT: Mrs. Julia Petrov, Chief, Foreign Language and Area Studies Research Program, International Studies Branch, 202/245-9819.

F) Doctoral Dissertation Research Abroad Program

Authorized by the Mutual Educational and Cultural Exchange Act of 1961 and the Agricultural Trade Development and Assistance Act of 1954, this program provides opportunities for advanced graduate students to engage in full-time doctoral dissertation research overseas in modern foreign languages and area studies. The period of overseas study must be at least 6, but not more than 12 months. Preference is given to modern foreign languages and areas that are critical to the national interest, for which adequate instruction has not been widely available in the U.S., and for which there exists a shortage of trained personnel. Financial provisions include a basic stipend computed on the cost of living where the research is conducted; roundtrip airfare for the recipient; baggage allowance based on the cost of living in the research country; project allowance of up to $500 for necessary materials; health and accident insurance for the recipient; local travel allowance, as necessary; and tuition at a foreign institution when necessary to facilitate satisfactory completion of the research project.

RESTRICTIONS: Awards are not made for projects focusing principally on Western Europe, nor in countries where the U.S. has no diplomatic representation. If the applicant wishes to conduct research in the U.S.S.R., Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, Romania, or Yugoslavia, an application must be submitted simultaneously to his or her institution and to the International Research and Exchanges Board (IREX), 110 East 59th Street, New York, New York 10022.

ELIGIBILITY REQUIREMENTS: Candidates must possess U.S. citizenship or national or permanent resident status; must plan to teach at a U.S. higher education institution; must be enrolled in such an institution and have been admitted to candidacy for the doctoral degree in language and area studies; must have adequate skills in the language of the research country; and must present a feasible research project.

DEADLINES: Generally late Fall, usually October preceding the year of study. Candidates should obtain forms from and apply directly to their graduate dean, who screens the applications and forwards them to DIE.

CONTACT: Mr. John Paul, Doctoral Dissertation Research Abroad Program, International Studies Branch.

G) Faculty Research Abroad Program

This program awards grants to assist U.S. higher education institutions to strengthen their language and area studies programs by: 1) enabling key faculty members to remain current in their fields of specialization; and 2) supporting projects to update, improve and develop curricula and materials. Study periods are from 3 to 12 months.

RESTRICTIONS: The same restrictions apply to this program as specified in the text for the previous program.

ELIGIBILITY REQUIREMENTS: Candidates must be citizens or nationals of the United States with whom institutions have established a long-term employment relationship; must be educators experienced in language or area studies (with at least half-time teaching or research experience related to the area of specialization during the 2 years preceding the date of the award); must possess adequate language skills; must present detailed plans for a research project which can be completed within the time limits of the award and which is otherwise feasible; and must present a statement from his or her institution describing how the project will contribute to the institution's plans for developing programs in foreign language and area studies.

DEADLINES: Generally late Fall (October) of the year preceding the award. Applicants should obtain forms and apply directly to the employing institution, not the Office of Education.

CONTACT: Mr. Robert Dennis, Faculty Research Abroad Program, International Studies Branch, 202/245-9808.

H) Foreign Curriculum Consultant Program

This program exists to enable state departments of education, local public school systems, accredited higher education institutions, private non-profit educational organizations, or combinations of such institutions to bring educators from other countries to the U.S. to assist in planning and curriculum development in language and area studies. A foreign curriculum consultant may be employed to perform a variety of functions, including: developing new units of study; conducting demonstration classes and workshops for teachers; preparing new instructional materials for classroom use; reviewing textbooks and educational materials; evaluating library holdings; speaking at community functions; and teaching -- not more than one regular classroom course per semester.

RESTRICTIONS: Requests for consultants from Western European countries may be approved only if they are to develop curricula in area studies with an emphasis on modern political, economic or social developments. Grants will not be made for bringing consultants from these countries primarily to develop language programs. Finally, this is a cost-sharing program which requires the grantee institution to provide the following for the consultant from other than grant funds: a $390 per month maintenance allowance; travel costs within the U.S. incurred in conjunction with the consultantship; and any other financial or other assistance necessary, due to unusual circumstances, to permit the consultant a reasonable standard of living during the assignment.

ELIGIBILITY REQUIREMENTS: Eligible institutions include state departments of education, local school systems, accredited higher education institutions, selected non-profit institutions, consortia or individual members of a consortium.

DEADLINES: As designated in the Federal Register -- usually November 4.

CONTACT: Ms. Gwendolyn Lark, Foreign Curriculum Consultant Program, International Studies Branch, 202/245-9808.

I) Group Projects Abroad Program

This program assists U.S. educational institutions to improve their programs in modern foreign languages, area studies, world affairs, and/or intercultural education by means of group projects overseas. The types of projects which may be undertaken include: 1) Summer Seminars for faculty and/or students during a minimum 6-week period to help integrate international studies into the institution's general curriculum; 2) Curriculum Development Teams composed of faculty and on occasion selected graduate students who may spend 6 weeks to 12 months in a foreign country or region developing and acquiring resource materials for language and area study curriculum development and innovation; 3) Summer Seminar Projects involving elementary and secondary school teachers and curriculum supervisors for 6-12 weeks of overseas study and research related to planning and conducting ethnic studies programs; 4) Group Research or Study for 6 weeks to 12 months overseas for scholars and advanced students selected by their institution for special training abroad; 5) Summer-Intensive Language Programs for periods of 8-12 weeks directed toward students planning to enter language courses at an advanced level; and 6) Academic-Year Intensive Language Programs of 9-12 months in duration for advanced students in such critical non-Western languages as Chinese and Japanese.

ELIGIBILITY REQUIREMENTS: Institutions eligible for Group Projects include universities, colleges, community and junior colleges, state departments of education, nonprofit educational organizations, and institutional consortia. Individuals participating in the Projects must be citizens or nationals of the United States. Faculty members in language or area studies, or experienced

educators responsible for conducting, planning or supervising language or area studies at the elementary, secondary, or junior college levels; or graduate students of upperclassmen who plan teaching careers in language, area studies, or world affairs may apply.

DEADLINES: As published in the Federal Register -- usually around November 4.

CONTACT: Mr. Ralph Hines, Group Projects Abroad Program, International Studies Branch, 202/245-2794.

J) Ethnic Heritage Studies Program

This program, authorized by Title IX of the Elementary and Secondary Education Act of 1965, as amended, provides assistance designed to afford students an opportunity to learn more about the pluralistic U.S. culture, and the contribution of ethnic groups to the nation's cultural heritage. Assistance is generally awarded for developing curriculum materials for use in elementary and secondary schools and higher education institutions, for disseminating such materials, and for training persons using or preparing to use ethnic heritage curriculum materials under the program. Each project must provide plans for cooperation with persons or organization's having a special interest in the ethnic group(s) under study; must be planned and carried out in consultation with an advisory council representative of the ethnic group(s) concerned; and must provide means to coordinate efforts with the other ethnic studies projects funded under Title IX, including exchange of materials and information.

RESTRICTIONS: Projects may not include provision for religious worship or instruction. Applicants other than educational institutions and organizations must furnish evidence that the applicant organization is nonprofit and has an educational purpose.

ELIGIBILITY REQUIREMENTS: Public or nonprofit private educational agencies, institutions, or organizations including ethnic associations and educational institutions may apply.

DEADLINES: As published in the Federal Register -- with December currently being the projected deadline.

CONTACT: Edward Meador, Acting Branch Chief, Ethnic Heritage Studies Branch, 202/245-2293.

K) Facilitative Service Program

The Facilitative Services Staff plans short visits and itineraries for approximately 1,200 visiting educators annually from some 80 countries, involving ministers of education, university presidents, school administrators, teachers, researchers, or education specialists. Two basic types of programs are offered: 1) Non-Grant Visitors and 2) Secondary Visitors. The Non-Grant

Visitors program pertains to foreign educators who are classified by the Department of State as voluntary visitors. As such they receive no financial assistance from the U.S. Government. Services extended range from briefings on the U.S. educational system to detailed itineraries of several months duration -- with the Facilitative Services Staff arranging professional appointments and coordinating arrangements for travel and accommodations. The Secondary Visitors program pertains to foreign visitors who have obtained grants from the U.S. Government, and who already have a private or governmental programming agency in charge of planning their U.S. itinerary. Services provided by DIE include orientation to the U.S. educational system and information related to recent development in their fields of specialization.

CONTACT: Mr. Timothy King, Facilitative Services Program, International Exchange Branch, 202/245-9481.

L) Teaching Positions and Short-Term Seminars Abroad

Under contract to the Department of State as authorized by the Mutual Educational and Cultural Exchange Act of 1961 and the Agricultural Trade Development and Assistance Act of 1954, DIE administers a program which provides opportunities for U.S. educators to teach and to attend short-term seminars abroad, and provides similar experiences for foreign educators in the U.S. For seminar participation, an applicant must have 2 years of successive, full-time teaching experience, and must be currently teaching in the field of the seminar topic. An applicant for social studies supervisors and curriculum directors seminars must have 3 years of experience, and must be employed in the field which the seminar addresses. Applicants for teaching positions must have 3 years of successive, full-time teaching experience and must be currently engaged in full-time instruction in the field and at the level for which an application is made. Varying and complex arrangements are made for the teaching exchanges depending upon the country where the exchange takes place. In general, three modes obtain: 1) Interchanges (or direct exchanges) of positions by U.S. teachers and their foreign counterparts in which the U.S. teacher must secure a leave of absence with pay, and is responsible for the cost of roundtrip transportation (U.K. and Canada); a travel grant is provided for teachers going to Germany. 2) Interchanges in which the U.S. teacher must secure a leave of absence without pay, receives a grant to pay roundtrip transportation costs (with the exception of U.S. teachers on exchange assignments in Switzerland), and receives a maintenance allowance in lieu of salary in the currency of the host country; and 3) One-Way Positions Abroad in which the U.S. teacher must secure a leave of absence without pay, receives a grant to pay the cost of roundtrip transportation, and receives a maintenance allowance in lieu of salary in the currency of the host country. Further information regarding the availability of specific teaching positions in the various countries involved, and a listing of short-term summer seminar topics and locales may be obtained by DIE.

RESTRICTIONS: An applicant must have at least a bachelor's degree, be engaged in teaching, and be a U.S. citizen at the time of application. Facility in the language of the host country is a prerequisite for some grants and an asset for all.

ELIGIBILITY REQUIREMENTS: Eligible applicants include elementary and secondary school teachers, college instructors, and assistant professors. Under certain conditions associate and full professors may be considered.

DEADLINES: The beginning of November.

CONTACT: Dorothy L. Stewart, Teacher Exchange Section, International Exchange Branch. (202) 245-9700

M) International Educational Development Program

Like the preceding program this program is administered under contract by DIE via authorities granted to the Department of State. The International Educational Development Program enables educators abroad in any field and at all levels (including teacher trainers, ministry of education officials, educational researchers, and classroom teachers) to make visits to schools, universities, state and local education agencies and research centers, to meet their counterparts in U.S. education, and to attend professional conferences. Visits are typically from one to six months, and are designed to meet the requirements of individuals or groups by Binational Commissions and Foundations, or Embassies. Components of the program include: 1) orientation and program planning in Washington, D. C., in which visitors meet professional leaders, visit professional organizations and appropriate federal officials, and visit historic and cultural attractions; 2) university seminars at a higher education institution which vary in length from 2 weeks to 3 months, are tailored to the interests of the group, and may be conducted in the language of the group; 3) direct observation of the U.S. educational system in which the grantee observes instruction, confers with educational leaders, and may be asked to contribute to the educational system through speeches, presentation of audiovisual materials, etc.; 4) homestays and social-cultural activities, which are integrated into all aspects of the visit; and 5) evaluation, which involves both a written report and assessment of the program with DIE program planners. Embassies and Binational Commissions may request individualized programs, small group projects, or projects planned in cooperation with other countries.

In addition, four specific and recurring programs are sponsored annually: 1) multinational group programs are offered each year beginning around September 1, and last 120 or 180 days; 2) summer seminars for multinational groups in English language and American civilization, and in American history, held each year during July and August, include selected travel to historical and cultural sites, and 4-5 week seminars at selected university centers; 3) Teaching of English as a Foreign Language (TEFL) programs -- either 120 or 180 days in duration beginning about September 1 -- are designed for teacher trainers, supervisors, and experienced classroom teachers of English; and 4) individual

itineraries from 30 to 90 days each which offer opportunities for shorter visits to a number of educational institutions, and typically begin in September or February in order to take maximum advantage of the academic year.

ELIGIBILITY REQUIREMENTS: Eligible candidates should be educators with at least three years of experience, preferably in mid-career, with plans to continue in the same position or related work upon returning to their homeland at the termination of the grant. Facility in the English language is normally required, although exceptions may be granted to groups of non-English speakers with the same common language.

DEADLINES: None, with the exception of the four specific programs and deadlines listed above.

CONTACT: Interested groups or individuals should contact the Binational Commission or American Embassy in their home country.

ADDENDUM: SUPPORT OF FOREIGN AREA RESEARCH

Several federal agencies support external research related to international affairs. While external research activities are difficult to ferret out, these activities are important vehicles for the conduct of internationally-related research on U.S. university campuses. In FY 1976, for example, a conservative estimate places the total at $32.6 million in federal support awarded for contract and grant research in foreign affairs, an increase of $4.8 million over the previous year. Some $21.8 million of this total was sponsored by agencies which have been discussed more fully in the Compendium, including $9.3 million by AID, and $8.5 million by NSF.

The major obstacle encountered in an attempt to assess these programs occurs as a result of changes in agency reporting patterns, as well as internal shifts in funding priorities. Changes in agency reporting patterns occur for various reasons. Within the given guidelines, each agency defines "foreign affairs research" somewhat differently.

The following are brief descriptions of the advanced foreign affairs research programs of agencies not treated in the Compendium which together comprise a total of $10.8 million in federal funds expended for this category of support. Excerpts are adapted from Vol. X -- No. 1 of Far Horizons, the quarterly newslette. of the Department of State's Office of External Research.

- ARMS CONTROL AND DISARMAMENT AGENCY: The ACDA external research program focuses on specialized studies in support of arms control issues. The selection of projects is based on consideration of the importance and respective priority of the various arms control issues to be faced by the Agency and the extent to which external research can assist in their resolution. ACDA accounted for $338,000 of the FY 1976 external research expenditures.

- DEPARTMENT OF DEFENSE: The DOD contract and grant programs for foreign area research are designed to assist in the solution of problems related to the DOD overseas missions by developing knowledge about cultures, leadership and military capabilities, and intentions of other nations; to provide analysis and recommendations in the form of policy studies; to develop an understanding of significant security possibilities and problems which may develop over the next decade and the implications for planning the development of technology; and to develop a foundation of information on matters relevant to DOD. Until FY 1970 when it was eclipsed by AID, DOD led the list of federal agencies in support of international affairs research. However, over a ten-year period, DOD research expenditures have declined precipitously, from $13.1 million reported in FY 1967 to $2.6 million reported in FY 1976. Within the $2.6 million total, some $1,031,000 was reported for the Advanced Research Projects Agency, and $1,126,093 for International Security Affairs.

- EXECUTIVE OFFICE OF THE PRESIDENT: The external research projects supported by the National Security Council staff emphasize problem and opportunity analysis and policy guidance. The geographic and subject focus of this research varies in response to the evolution of policy issues. Only $37,000 was expended for external research by the National Security Council in FY 1976.

- FEDERAL ENERGY ADMINISTRATION: Research in the field of international relations is conducted primarily by the Office of International Energy Affairs. In addition to regular in-house on-going studies by the permanent professional staff covering energy in all its world-wide dimensions, FEA/IEA sponsored four contract studies in FY 1976 for a total of $182,000.

- DEPARTMENT OF HEALTH, EDUCATION AND WELFARE: In addition to the health and education programs listed in the Compendium, HEW sponsors foreign affairs research serving HEW program goals in the areas of alcohol and drug abuse, rehabilitation, social security, and social welfare. The Alcohol, Drug Abuse and Mental Health Administration of HEW reported FY 1976 obligations of $1.3 million of which some $543,071 was reported for studies on alcoholism. The Health Resources Administration reported $1.182 million, and the National Institute of Health $.291 million -- both extremely conservative estimates. A total of $.317 million was reported by the U.S. Office of Education, along with $.190 for the National Institute of Education. For the Social Rehabilitation Service the figure was $.362 million, and $.258 million for the Social Security Administration. The total amount of research obligations reported HEW in FY 1976 for these combined areas of interest was $3.856 million.

- DEPARTMENT OF LABOR: The research program of the Bureau of International Labor Affairs focuses on the effects of international trade, investment, and other international developments on the economic status of U.S. workers. About $690,000 was reported by the Department of Labor in FY 1976.

- DEPARTMENT OF THE TREASURY: Treasury maintains a small, flexible program of external research in the area of international economic affairs. This program is divided between the sponsoring of periodic conferences and workshops on major areas in international economic relations and contracts with outside researchers on particular topics. While some of these contracts concentrate directly on specific current or anticipated future policy interests, most of the Treasury's contracts concentrate on basic theoretical and empirical analogies of key aspects of the operation of the international economic system.

Emphasis is divided between international monetary questions and problems of trade and development. Some of the areas of major research interest over the next several years include the analysis of inflation in open economies, economic interdependence, the international transmission of economic disturbances, exchange rate dynamics, and the behavior of the balance of payments and foreign market exchange. Treasury reported about $231,000 for external research in FY 1976 in its Office of International Monetary Research.

- Still missing from a complete picture of FY 1976 external research activities are the Central Intelligence Agency, which reported obligations of $289,000; the Department of Justice, which reported $415,000 for research related to such topics as criminality and penal systems; and the Department of Commerce, whose $1.235 million reported obligations include research on the oceans and environment sponsored by its National Oceanic and Atmospheric Administration ($153,209), the U.S. Travel Service ($593,392), the Bureau of International Economic Policy ($438,428), the Bureau of the Census ($37,549), and the Office of Energy and Strategic Resources ($12,000).